

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\
 Data File : VW005474.D
 Acq On : 18 Sep 2018 12:56
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/19/2018 11:25:32 AM

Quant Time: Sep 18 16:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	346414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	514954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	484395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	246549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146505	40.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.48%	
35) Dibromofluoromethane	7.89	113	128365	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	
50) Toluene-d8	10.33	98	644481	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.62	95	233593	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	140959	47.72	ug/l	99
3) Chloromethane	2.21	50	204808	50.09	ug/l	100
4) Vinyl Chloride	2.36	62	185841	48.52	ug/l	96
5) Bromomethane	2.78	94	105014	44.43	ug/l	97
6) Chloroethane	2.92	64	104879	46.20	ug/l	98
7) Trichlorofluoromethane	3.26	101	230709	45.46	ug/l	100
8) Diethyl Ether	3.69	74	71578	47.46	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	147816	49.95	ug/l	95
10) Methyl Iodide	4.28	142	164171	44.13	ug/l	96
11) Tert butyl alcohol	5.20	59	50452	231.55	ug/l	100
12) 1,1-Dichloroethene	4.05	96	131734	49.15	ug/l	99
13) Acrolein	3.90	56	38803	252.10	ug/l	97
14) Allyl chloride	4.68	41	280358	56.22	ug/l	92
15) Acrylonitrile	5.38	53	175326	254.16	ug/l	99
16) Acetone	4.14	43	150023	293.24	ug/l	99
17) Carbon Disulfide	4.38	76	453554	48.04	ug/l	100
18) Methyl Acetate	4.68	43	88344	51.13	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	340933	46.85	ug/l	99
20) Methylene Chloride	4.93	84	191874	54.28	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	152524	47.65	ug/l	97
22) Diisopropyl ether	6.32	45	542600	55.35	ug/l	99
23) Vinyl Acetate	6.26	43	1502531	268.96	ug/l	99
24) 1,1-Dichloroethane	6.23	63	290948	48.90	ug/l	99
25) 2-Butanone	7.18	43	232267	268.52	ug/l	93
26) 2,2-Dichloropropane	7.17	77	268956	50.40	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	164488	47.24	ug/l	96
28) Bromochloromethane	7.52	49	117398	50.73	ug/l	88
29) Tetrahydrofuran	7.54	42	147126	266.99	ug/l	95
30) Chloroform	7.68	83	280556	45.54	ug/l	99
31) Cyclohexane	7.96	56	314054	54.72	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	260841	45.53	ug/l	99
36) 1,1-Dichloropropene	8.09	75	246288	50.54	ug/l	99
37) Ethyl Acetate	7.26	43	101240	51.08	ug/l	97
38) Carbon Tetrachloride	8.07	117	231195	45.53	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	312039	55.10	ug/l	97
40) Benzene	8.33	78	695679	49.28	ug/l	98
41) Methacrylonitrile	7.49	41	64459	53.91	ug/l	94
42) 1,2-Dichloroethane	8.41	62	184994	41.87	ug/l	98
43) Isopropyl Acetate	8.43	43	196478	50.80	ug/l	98
44) Trichloroethene	9.10	130	171446	47.18	ug/l	97
45) 1,2-Dichloropropane	9.37	63	173088	51.32	ug/l	99
46) Dibromomethane	9.46	93	75503	45.51	ug/l	97
47) Bromodichloromethane	9.65	83	206944	46.03	ug/l	99
48) Methyl methacrylate	9.44	41	99412	51.50	ug/l	95
49) 1,4-Dioxane	9.47	88	27969	1011.37	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	539466	270.94	ug/l	99
52) Toluene	10.40	92	474598	49.64	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	216490	48.12	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	257085	50.47	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	112189	45.49	ug/l	98
56) Ethyl methacrylate	10.65	69	161900	51.87	ug/l	97
57) 1,3-Dichloropropane	10.94	76	203816	47.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	380712	269.67	ug/l	97
59) 2-Hexanone	10.98	43	395147	291.35	ug/l	99
60) Dibromochloromethane	11.13	129	130374	43.94	ug/l	99
61) 1,2-Dibromoethane	11.24	107	102058	46.15	ug/l	99
64) Tetrachloroethene	10.87	164	166728	46.57	ug/l	99
65) Chlorobenzene	11.66	112	500628	48.70	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	153047	46.58	ug/l	98
67) Ethyl Benzene	11.74	91	938052	51.89	ug/l	99
68) m/p-Xylenes	11.85	106	713664	102.57	ug/l	99
69) o-Xylene	12.17	106	332043	51.25	ug/l	100
70) Styrene	12.19	104	551127	51.54	ug/l	99
71) Bromoform	12.35	173	77253	44.44	ug/l #	99
73) Isopropylbenzene	12.47	105	933273	53.95	ug/l	99
74) N-amyl acetate	12.28	43	212811	58.39	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	130891	51.87	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	88943m	43.86	ug/l	
77) Bromobenzene	12.76	156	196236	47.99	ug/l	93
78) n-propylbenzene	12.81	91	1146968	54.94	ug/l	99
79) 2-Chlorotoluene	12.90	91	647801	52.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	789681	52.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	41363	52.91	ug/l	98
82) 4-Chlorotoluene	12.99	91	671737	51.66	ug/l	99
83) tert-Butylbenzene	13.21	119	665406	53.08	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	796608	51.99	ug/l	99
85) sec-Butylbenzene	13.39	105	987596	54.52	ug/l	99
86) p-Isopropyltoluene	13.51	119	868146	53.59	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	411197	49.58	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	402927	49.33	ug/l	99
89) n-Butylbenzene	13.83	91	853145	56.56	ug/l	99
90) Hexachloroethane	14.10	117	141784	51.08	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	357311	49.30	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22755	46.95	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	247786	51.24	ug/l	99
94) Hexachlorobutadiene	15.24	225	162261	51.38	ug/l	100
95) Naphthalene	15.38	128	412362	51.17	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	211017	50.00	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

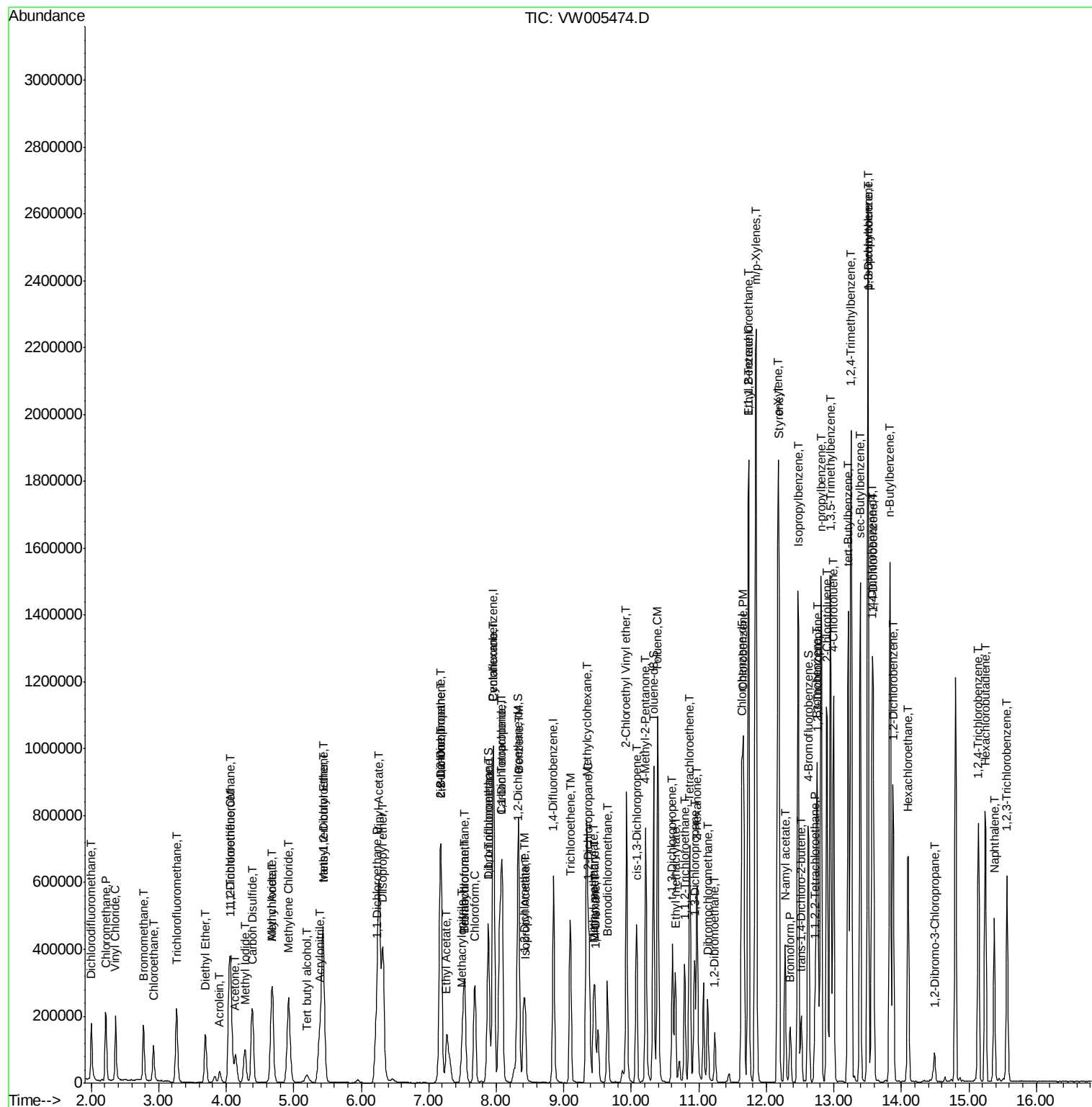
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091818\
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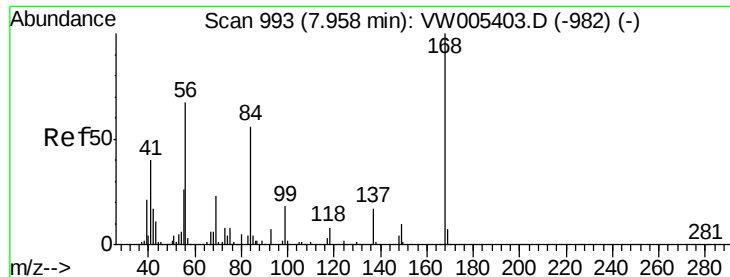
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 346414

Ion Ratio Lower Upper

168 100

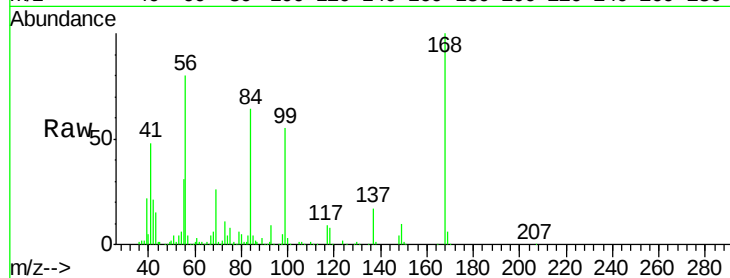
99 55.2 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

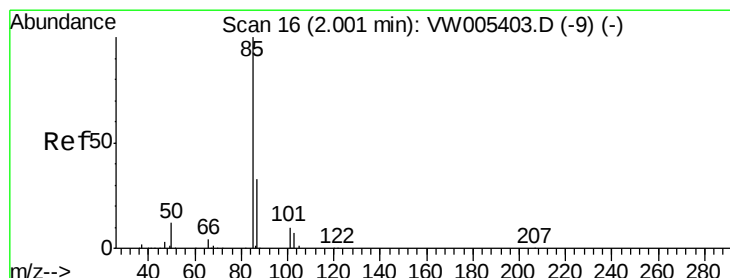
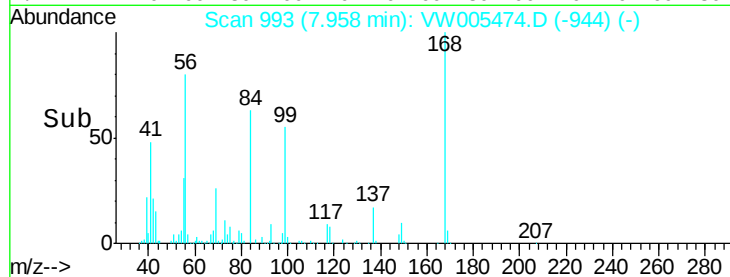
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.72 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005474.D

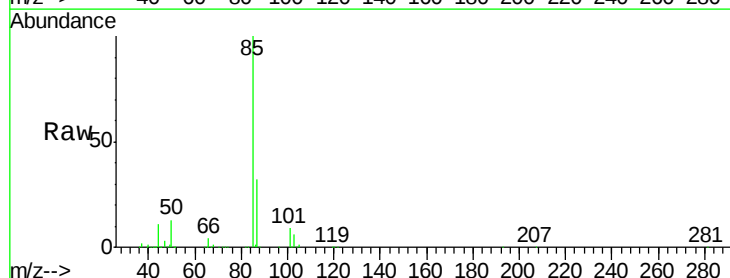
Acq: 18 Sep 2018 12:56

Tgt Ion: 85 Resp: 140959

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

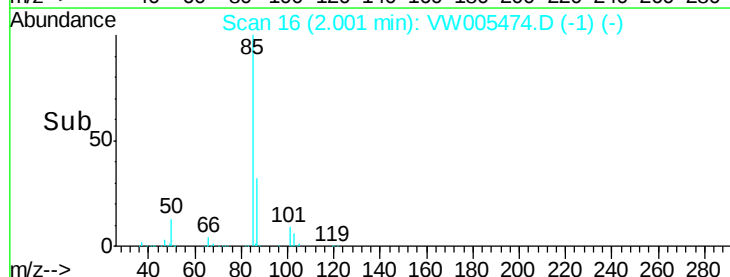
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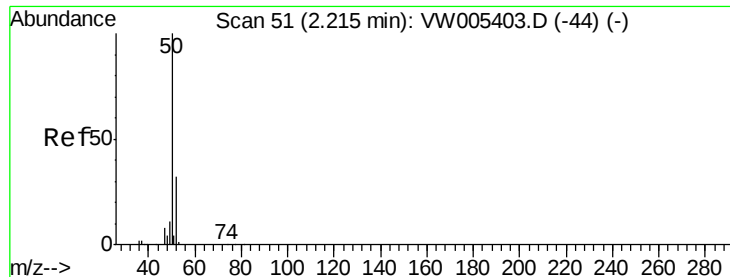
40000

20000

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Time-->





#3

Chloromethane

Concen: 50.09 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 204808

Ion Ratio Lower Upper

50 100

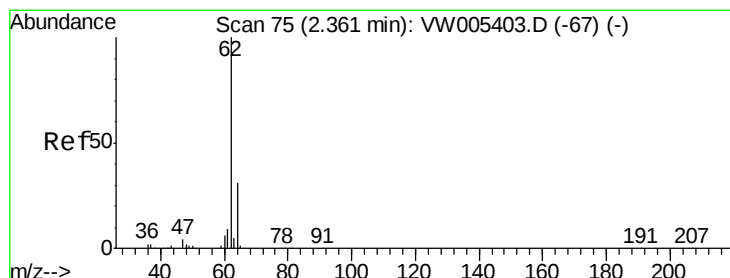
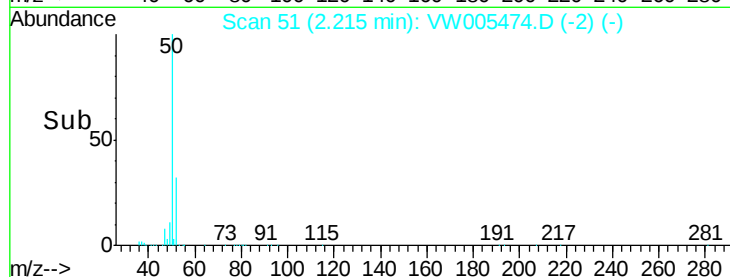
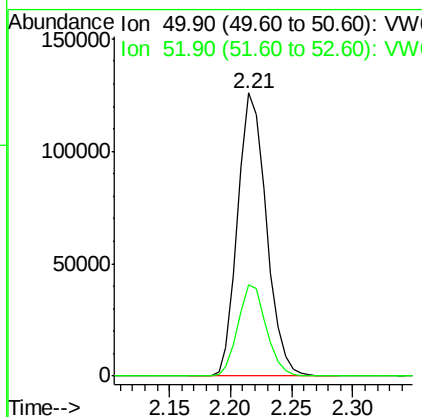
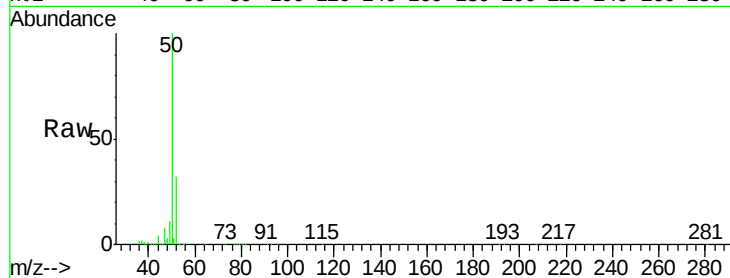
52 32.1 25.8 38.6

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#4

Vinyl Chloride

Concen: 48.52 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005474.D

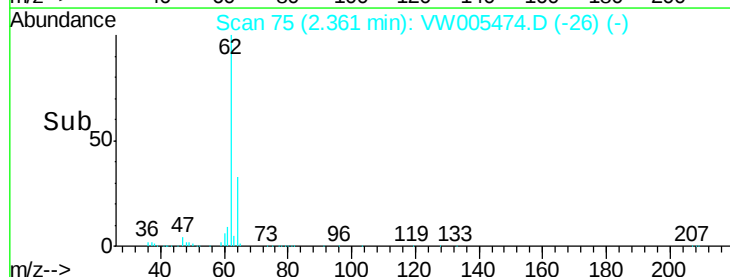
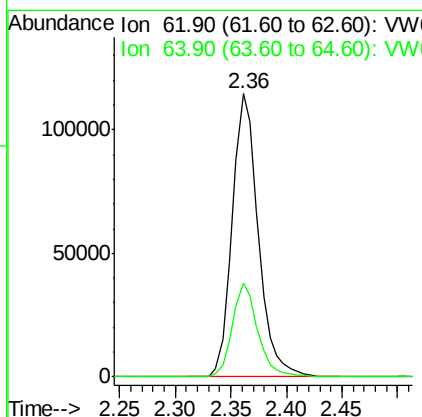
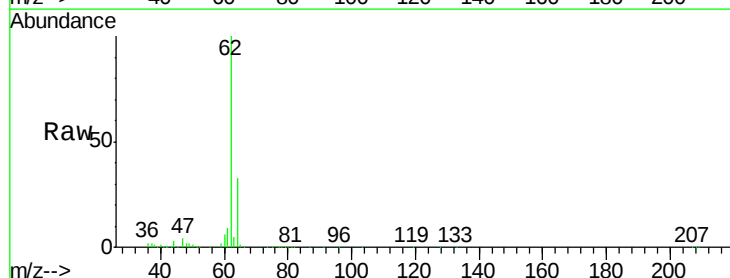
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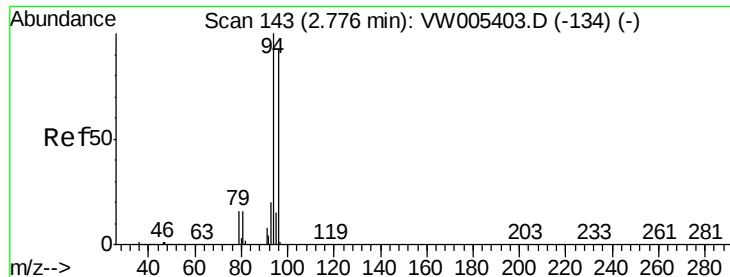
Tgt Ion: 62 Resp: 185841

Ion Ratio Lower Upper

62 100

64 33.0 24.5 36.7





#5

Bromomethane

Concen: 44.43 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 105014

Ion Ratio Lower Upper

94 100

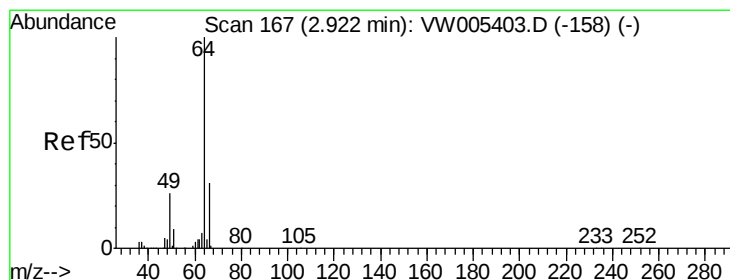
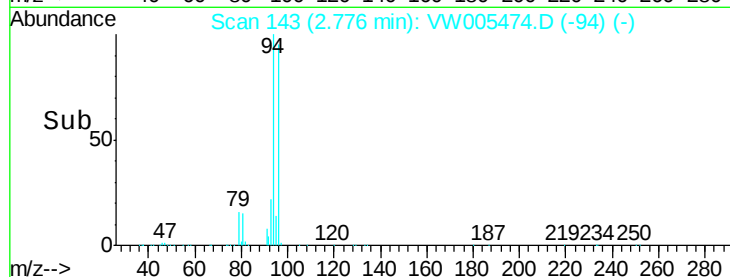
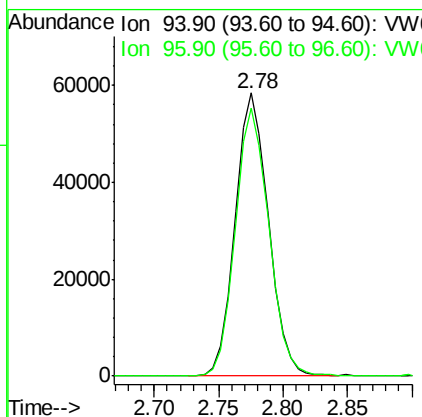
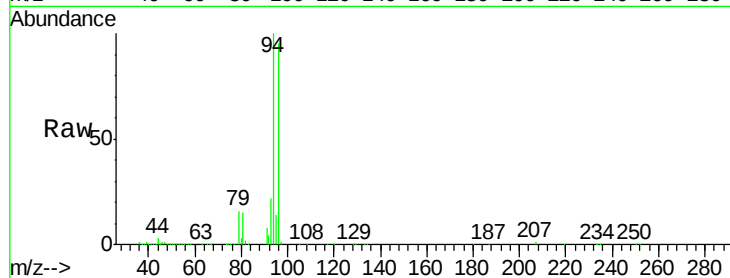
96 94.6 73.7 110.5

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#6

Chloroethane

Concen: 46.20 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW005474.D

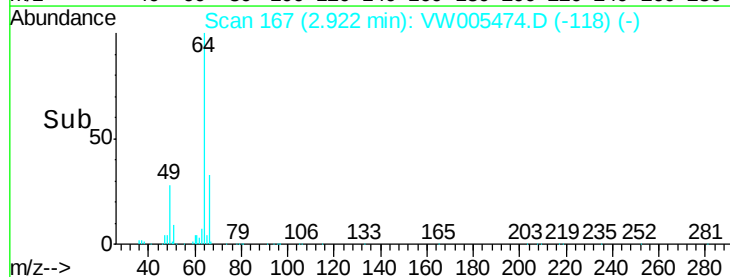
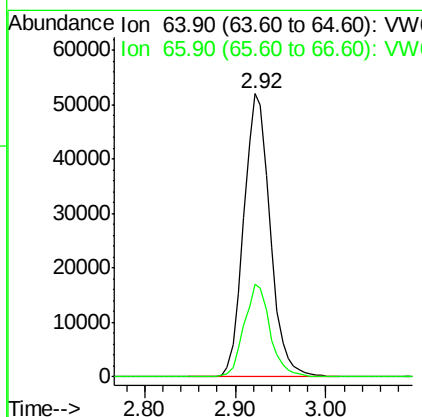
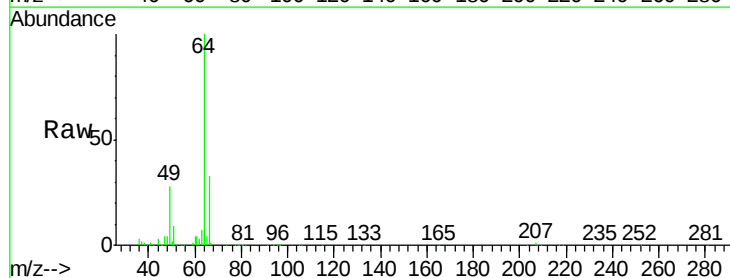
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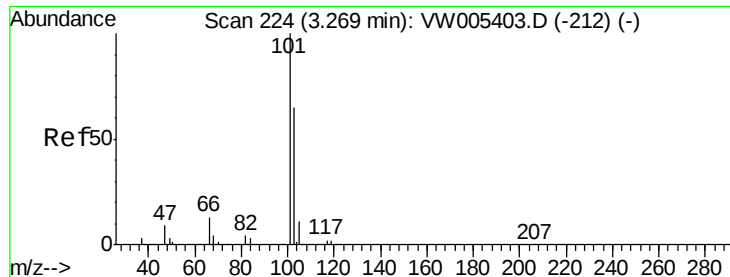
Tgt Ion: 64 Resp: 104879

Ion Ratio Lower Upper

64 100

66 32.5 25.2 37.8





#7

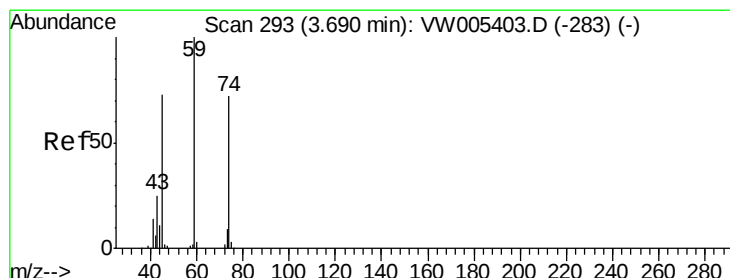
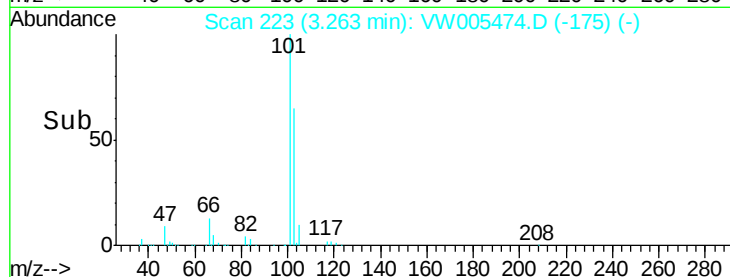
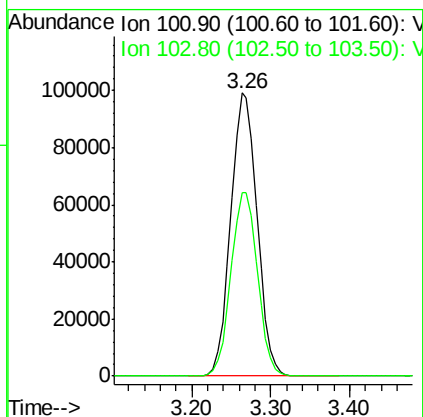
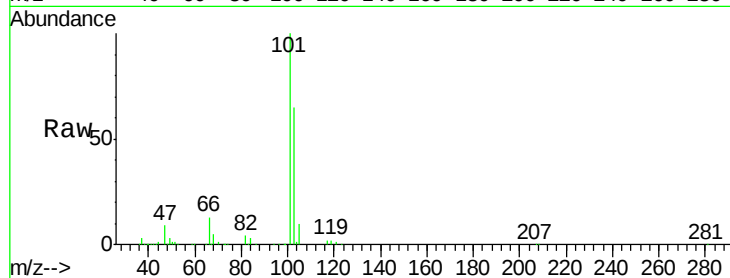
Trichlorofluoromethane
Concen: 45.46 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW005474.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5

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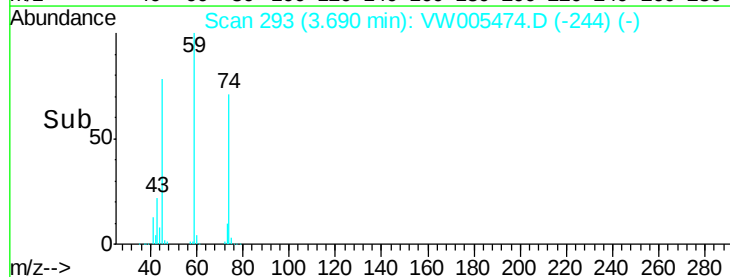
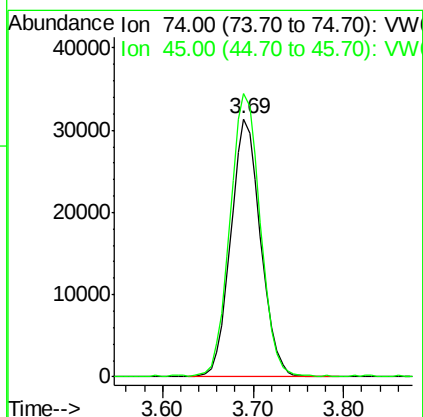
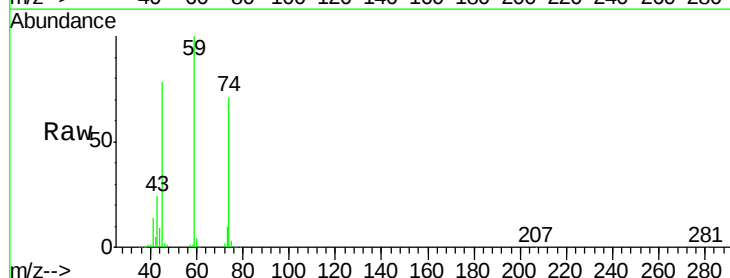
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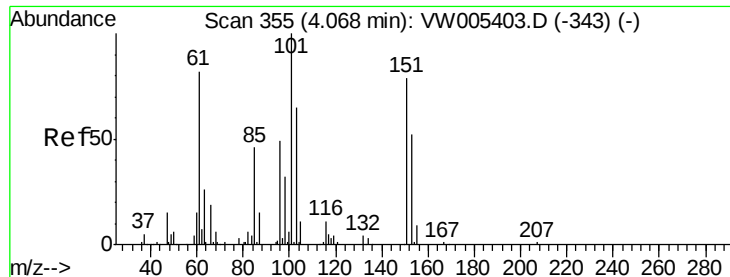


#8

Diethyl Ether
Concen: 47.46 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW005474.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	53.1	159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.95 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005474.D

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Instrument :

MSVOA_W

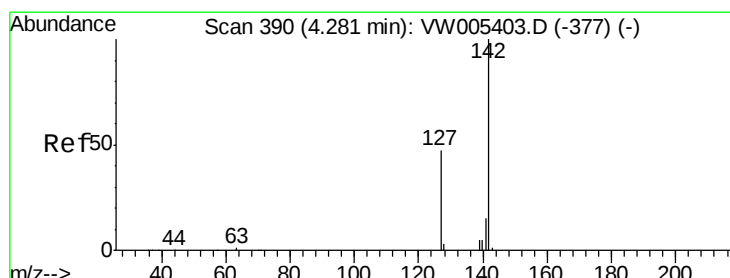
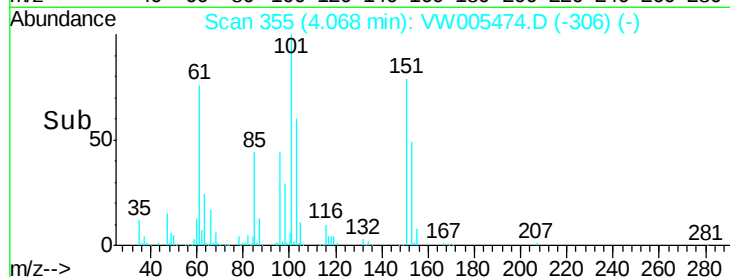
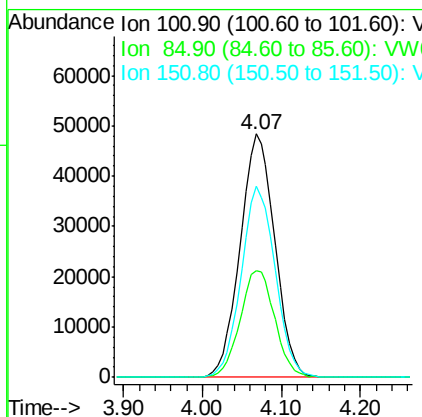
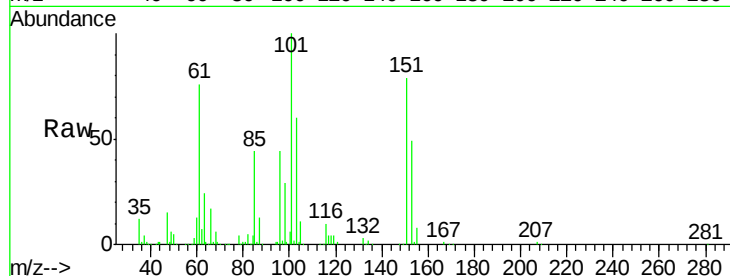
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	147816
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.6	54.8
151	77.0	66.3	99.5

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#10

Methyl Iodide

Concen: 44.13 ug/l

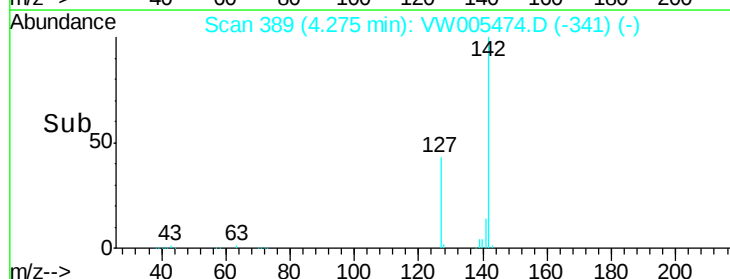
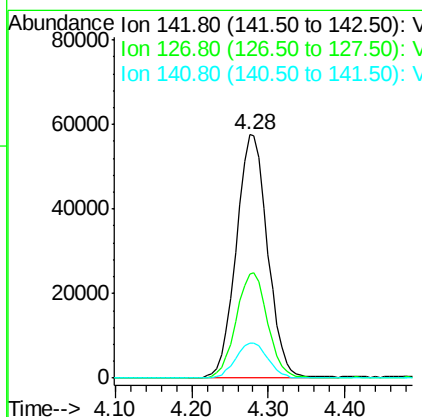
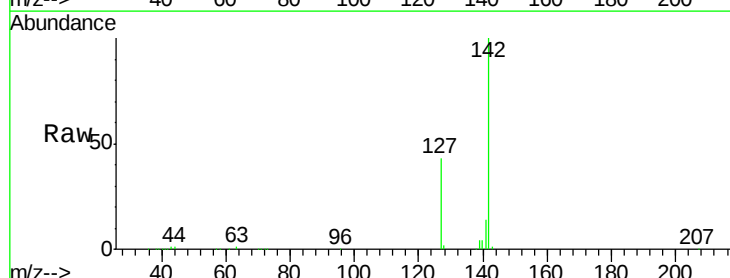
RT: 4.28 min Scan# 389

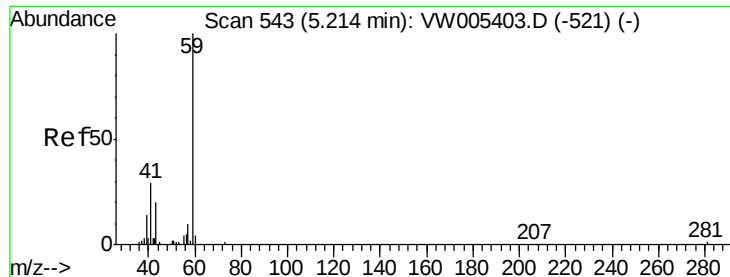
Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	142	Resp:	164171
Ion Ratio	Lower	Upper	
142	100		
127	43.4	37.5	56.3
141	14.9	12.4	18.6





#11

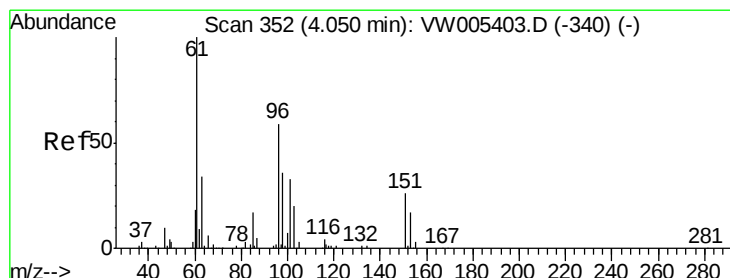
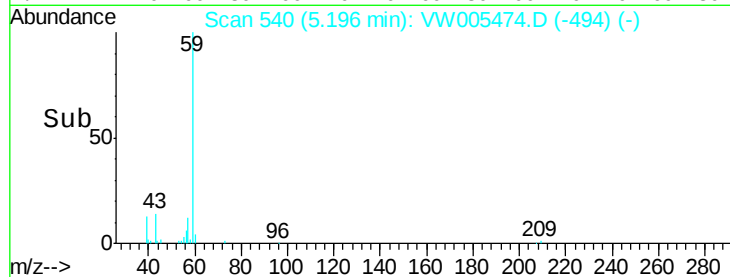
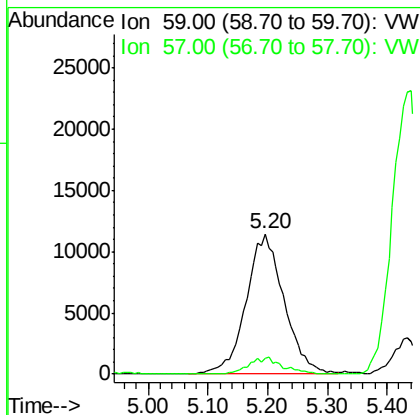
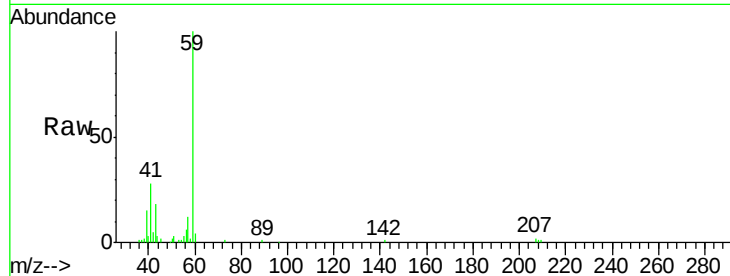
Tert butyl alcohol
 Concen: 231.55 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	59	Resp	50452
Ion Ratio	100	Lower	Upper
57	10.8	8.6	13.0

Manual Integrations
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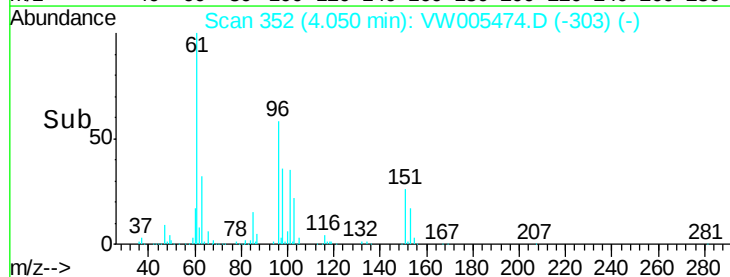
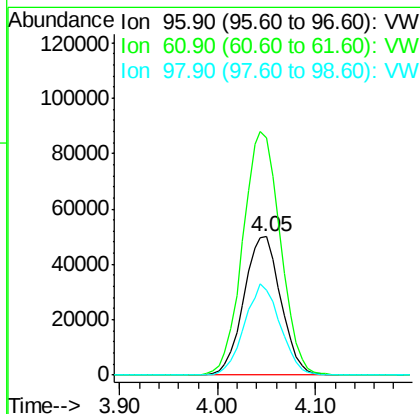
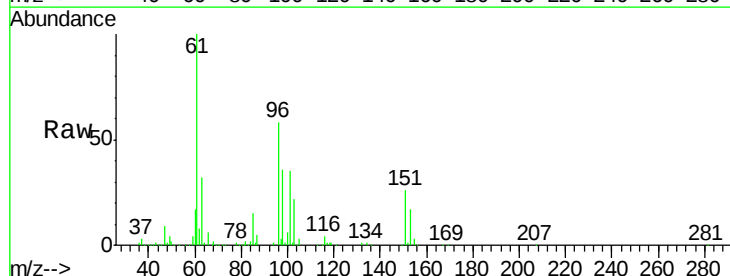
apatel
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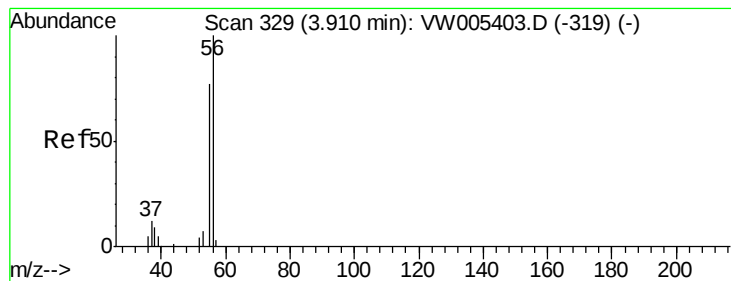


#12

1,1-Dichloroethene
 Concen: 49.15 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion	96	Resp	131734
Ion Ratio	100	Lower	Upper
61	171.6	135.7	203.5
98	61.4	48.6	73.0





#13

Acrolein

Concen: 252.10 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38803

Ion Ratio Lower Upper

56 100

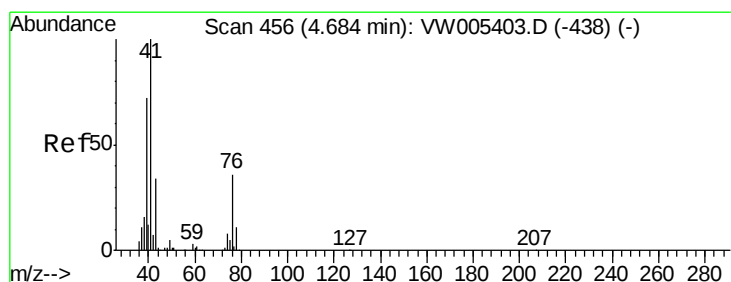
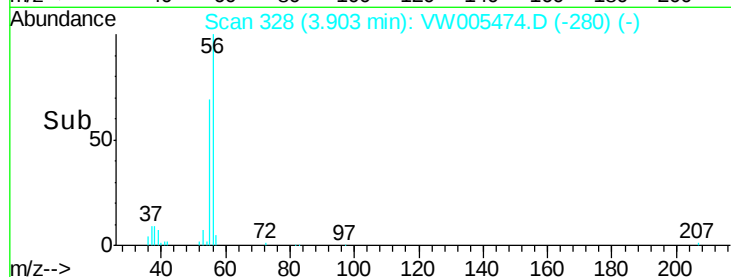
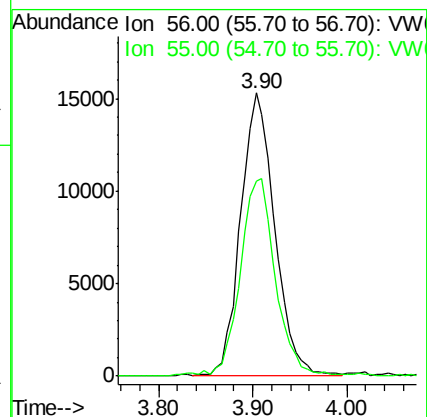
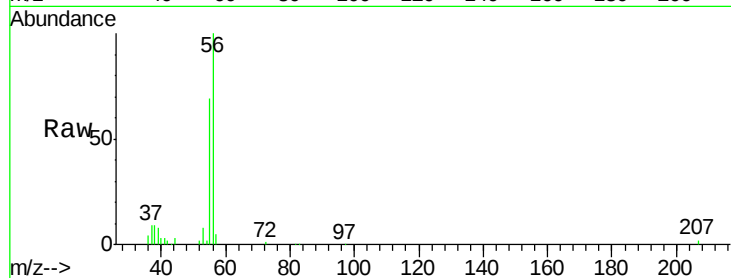
55 72.4 59.8 89.8

Manual Integrations

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#14

Allyl chloride

Concen: 56.22 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

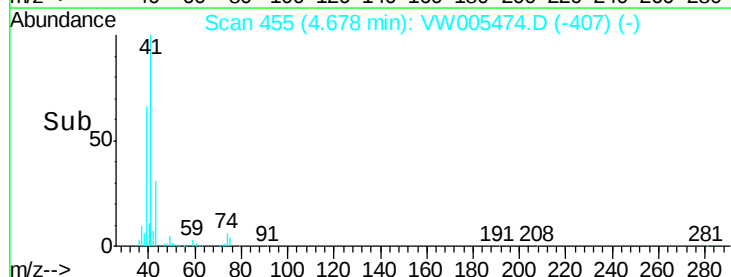
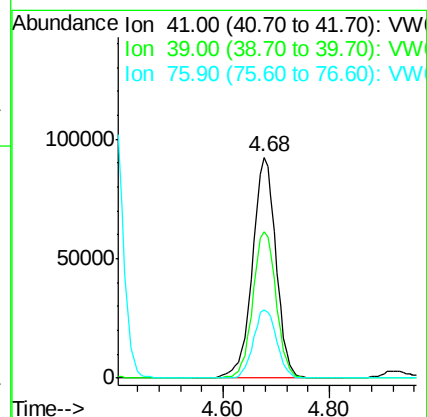
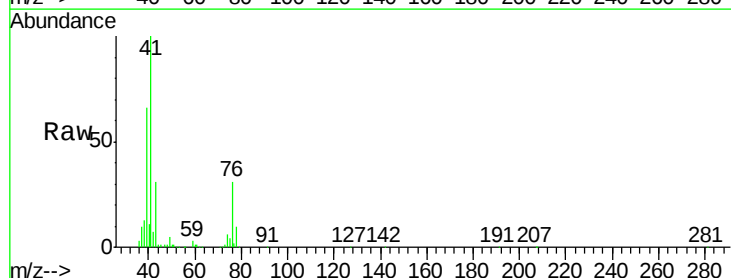
Tgt Ion: 41 Resp: 280358

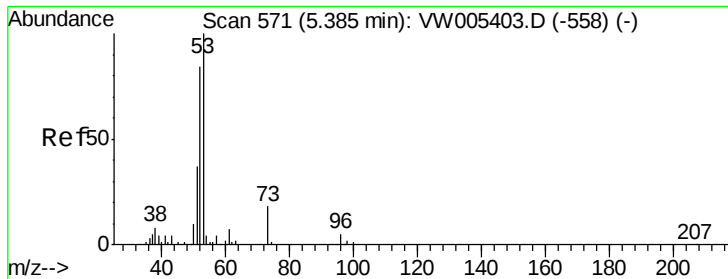
Ion Ratio Lower Upper

41 100

39 65.4 58.6 88.0

76 30.6 27.4 41.0





#15

Acrylonitrile

Concen: 254.16 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

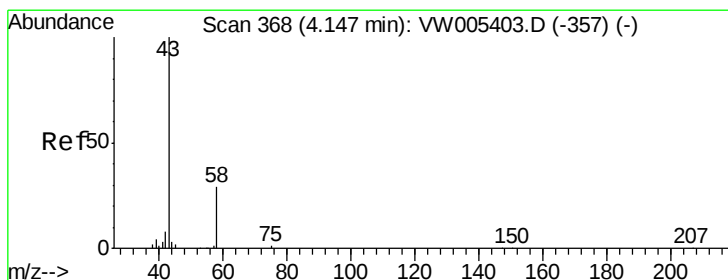
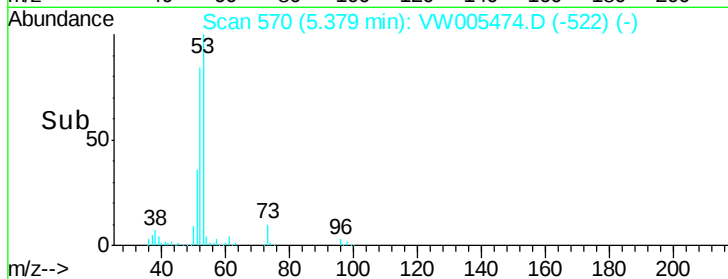
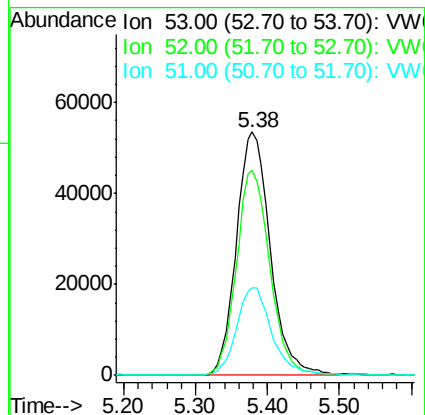
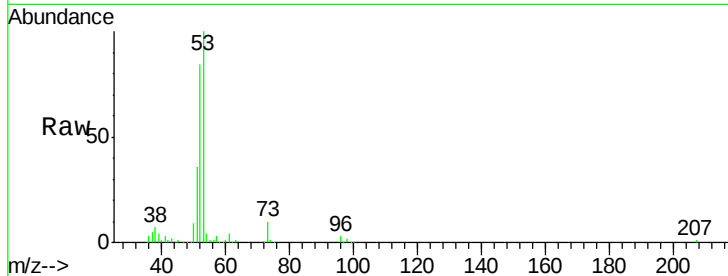
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	175326
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	99.8
51	37.4	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 293.24 ug/l

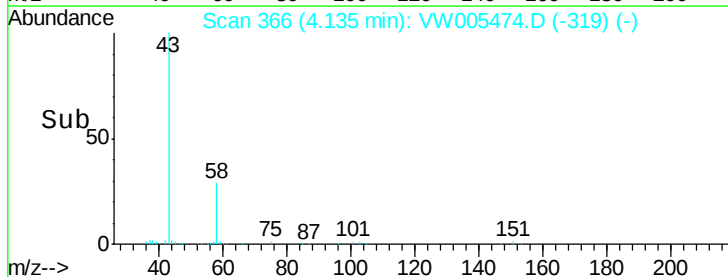
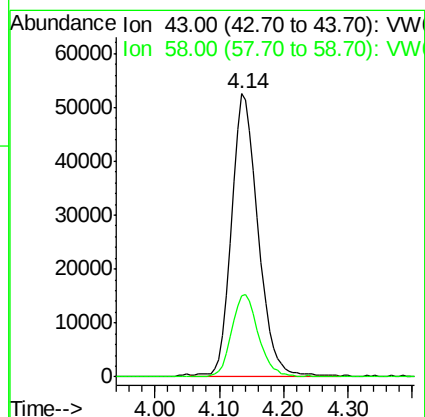
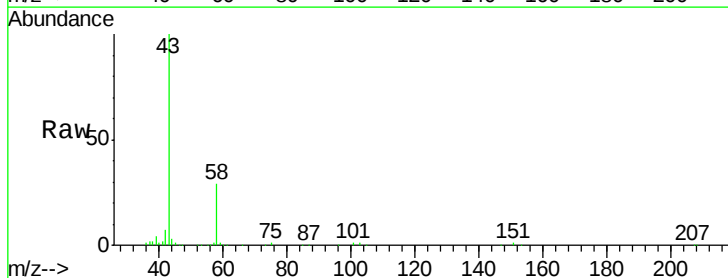
RT: 4.14 min Scan# 366

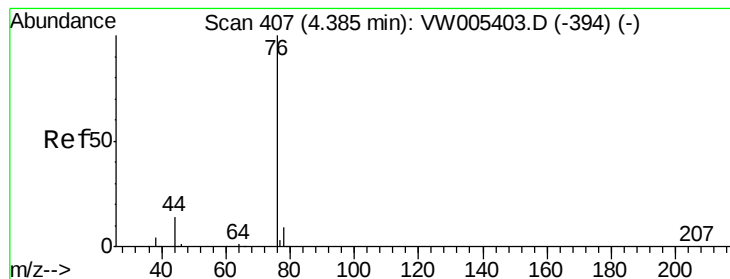
Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	43	Resp:	150023
Ion Ratio	Lower	Upper	
43	100		
58	29.0	22.8	34.2





#17

Carbon Disulfide

Concen: 48.04 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 453554

Ion Ratio Lower Upper

76 100

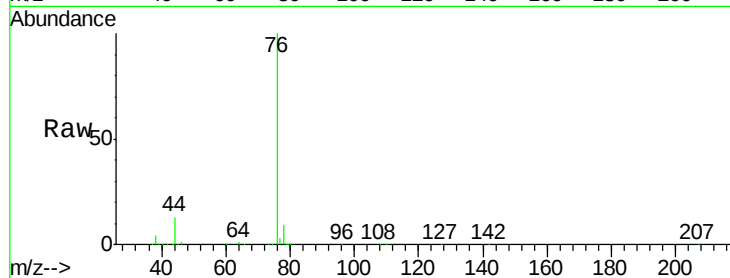
78 9.3 7.4 11.0

Manual Integrations

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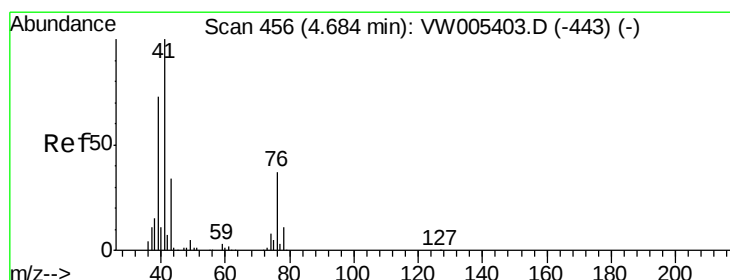
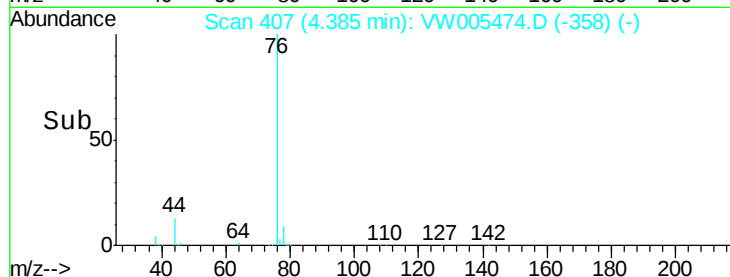
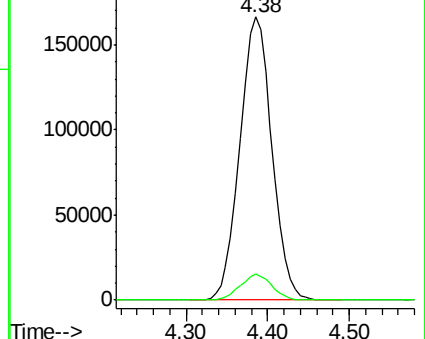
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 51.13 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW005474.D

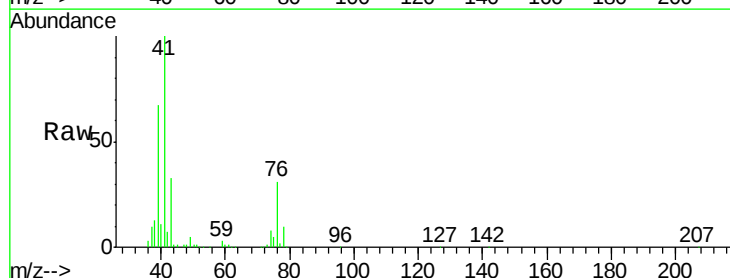
Acq: 18 Sep 2018 12:56

Tgt Ion: 43 Resp: 88344

Ion Ratio Lower Upper

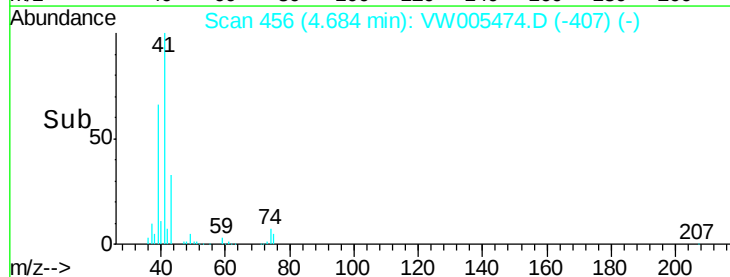
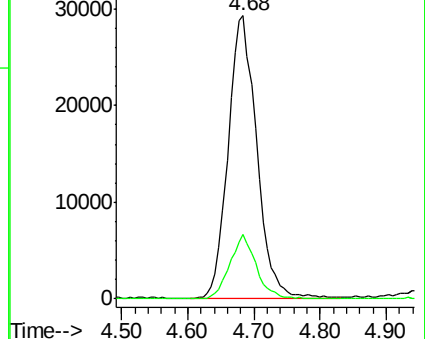
43 100

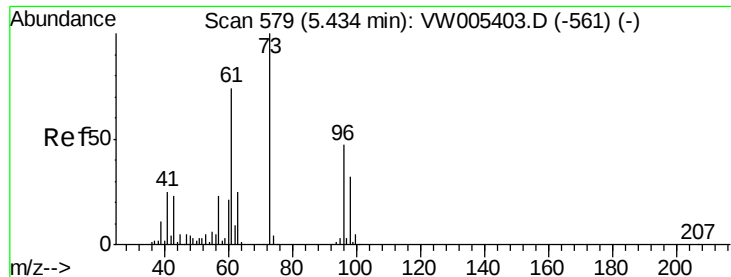
74 20.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





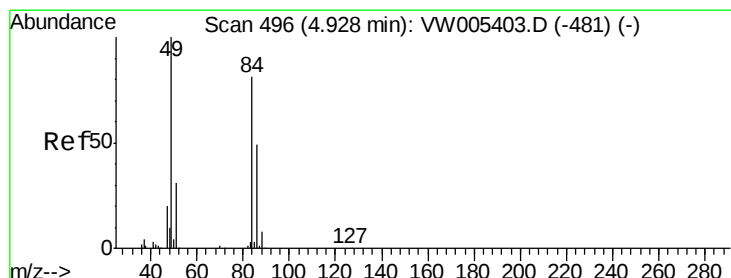
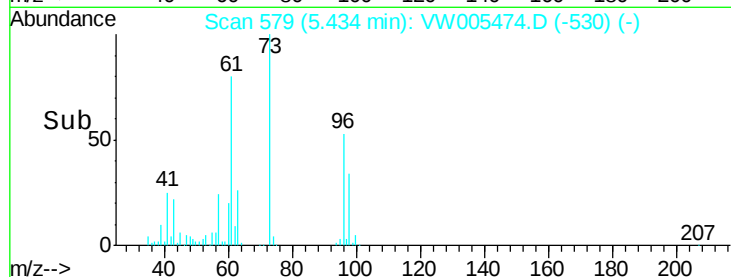
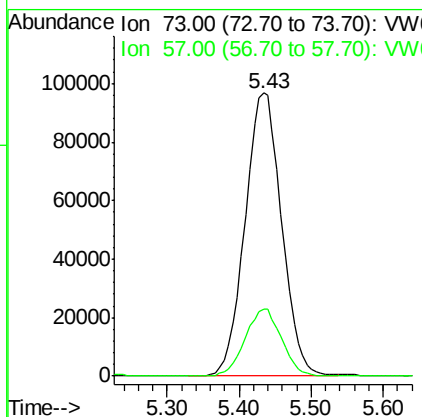
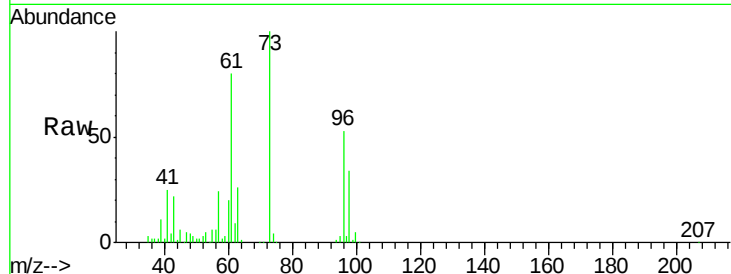
#19
Methvl tert-butvl Ether
Concen: 46.85 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 340933
Ion Ratio Lower Upper
73 100
57 23.8 18.6 28.0

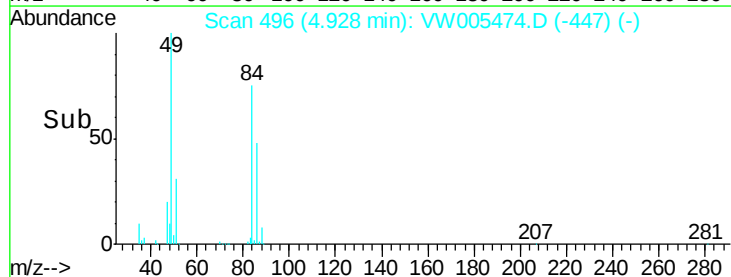
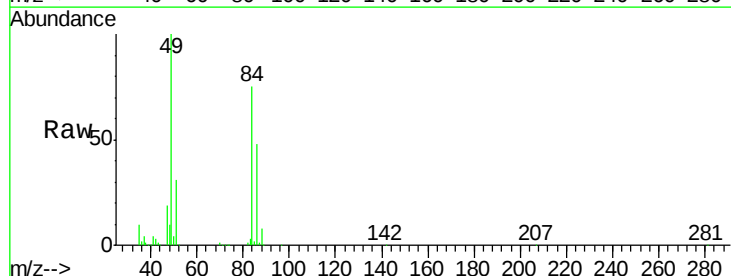
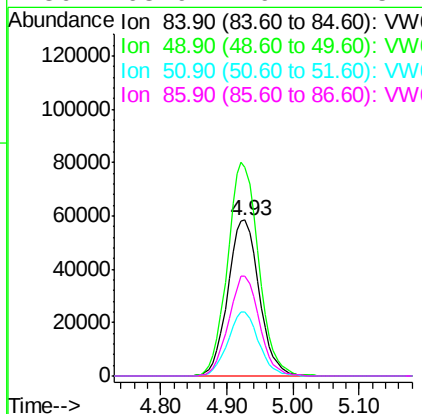
Manual Integrations
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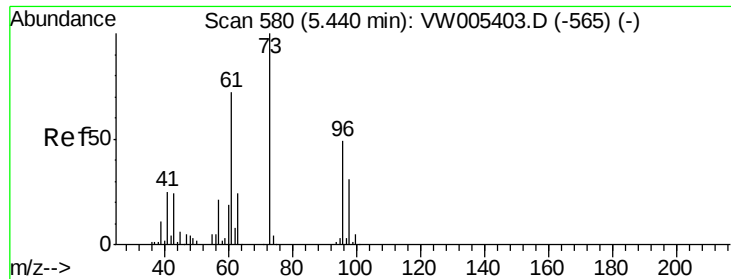
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#20
Methylene Chloride
Concen: 54.28 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion: 84 Resp: 191874
Ion Ratio Lower Upper
84 100
49 133.7 99.3 148.9
51 41.3 31.1 46.7
86 63.9 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 47.65 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

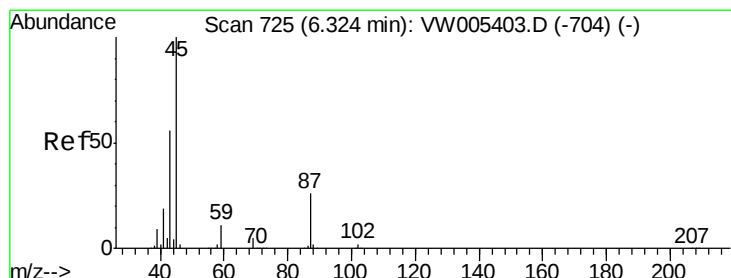
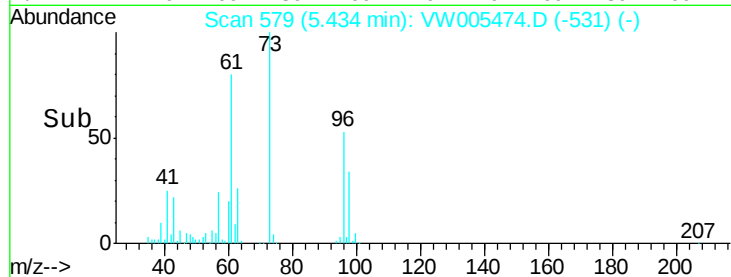
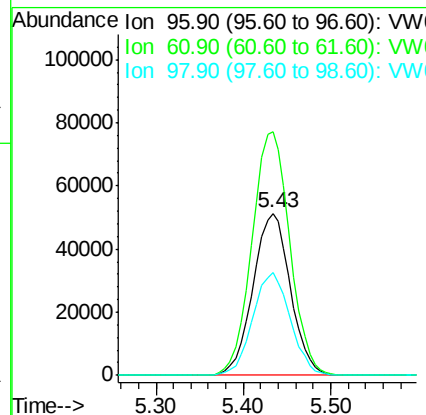
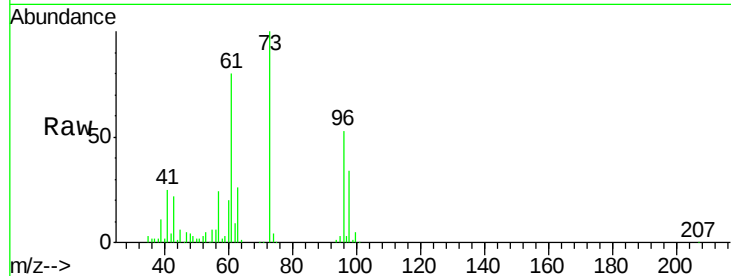
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	152524
Ion	Ratio	Lower	Upper
96	100		
61	150.5	116.7	175.1
98	63.3	51.0	76.6

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#22

Diisopropyl ether

Concen: 55.35 ug/l

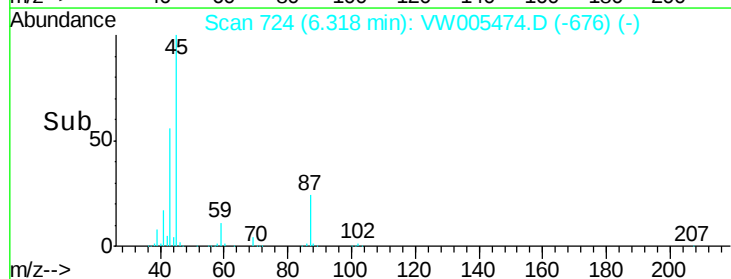
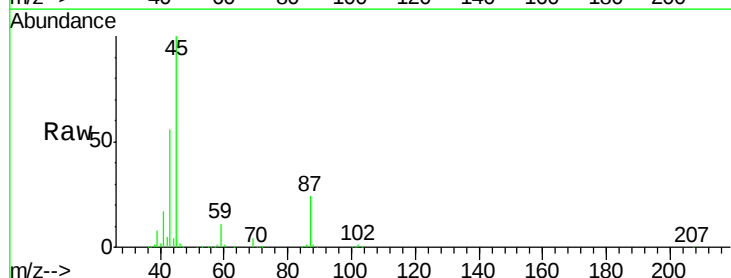
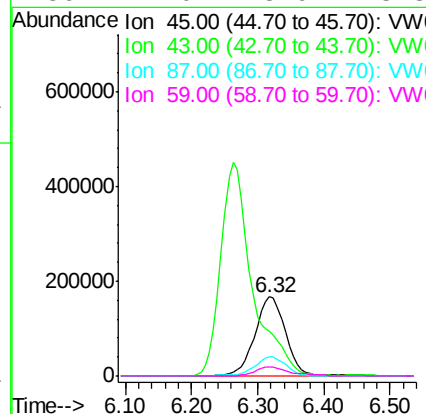
RT: 6.32 min Scan# 724

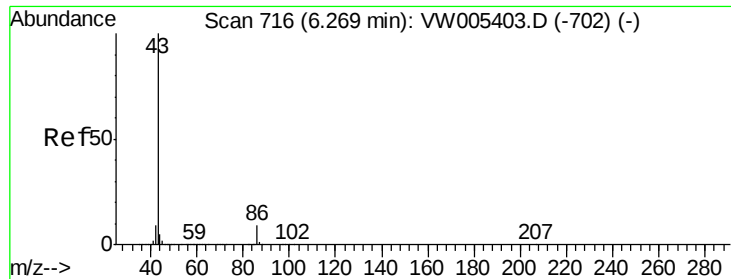
Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	45	Resp:	542600
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.6	67.0
87	23.9	20.6	31.0
59	11.0	8.9	13.3





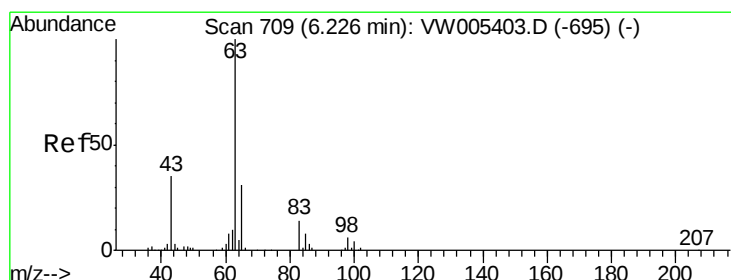
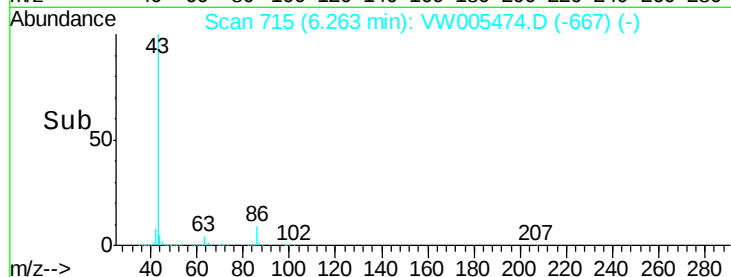
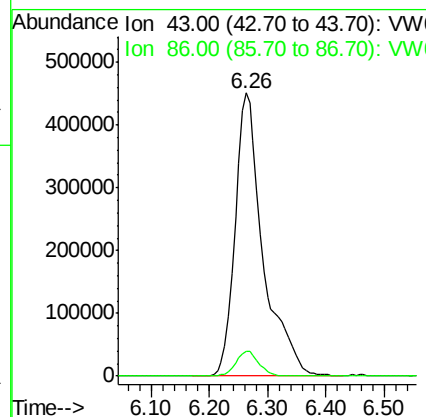
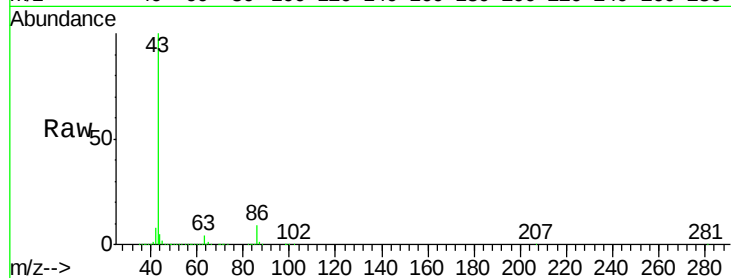
#23
 Vinyl Acetate
 Concen: 268.96 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 1502531
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.5 11.3

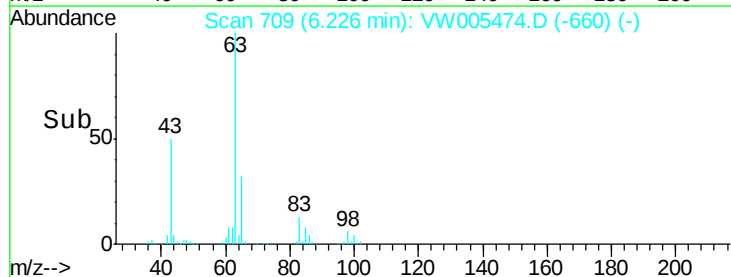
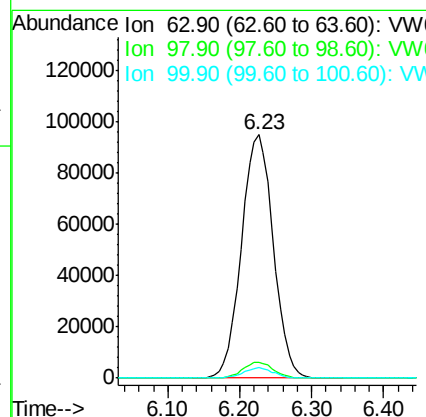
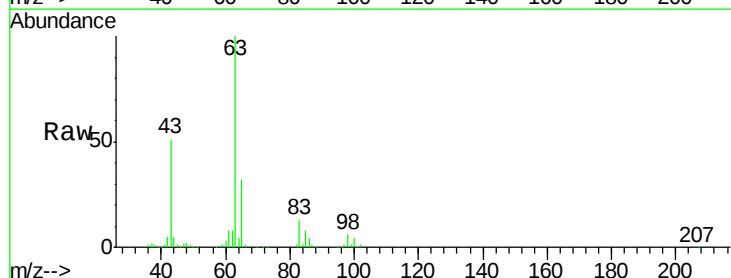
Manual Integrations
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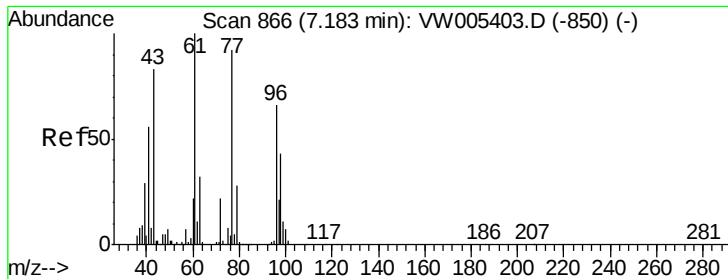
apatel
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#24
 1,1-Dichloroethane
 Concen: 48.90 ug/l
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion: 63 Resp: 290948
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 4.2 2.3 6.8





#25

2-Butanone

Concen: 268.52 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 232267

Ion Ratio Lower Upper

43 100

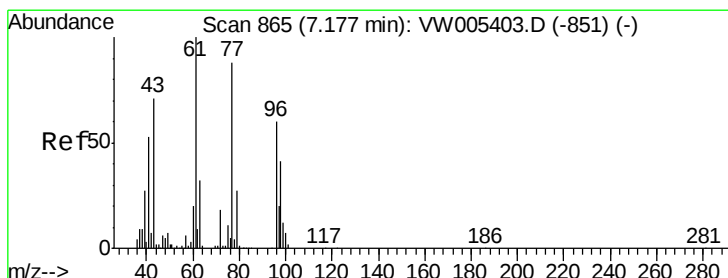
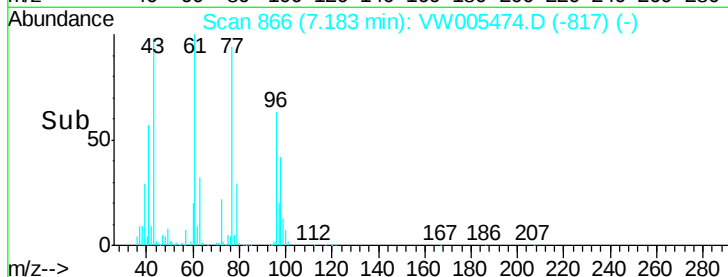
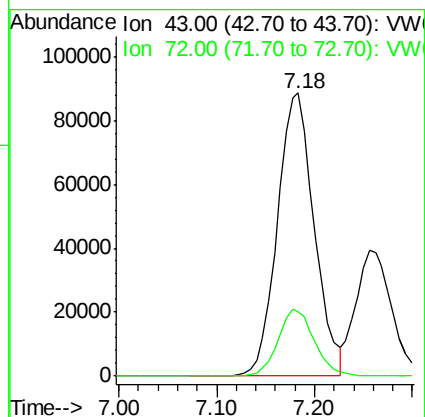
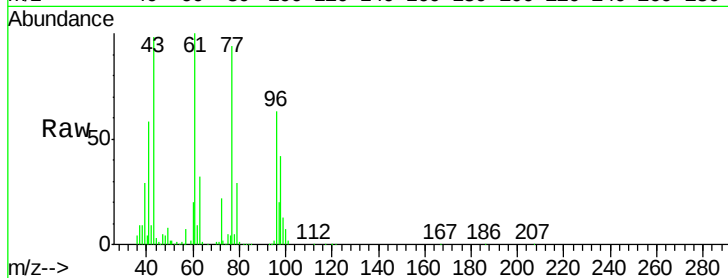
72 22.8 21.1 31.7

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#26

2,2-Dichloropropane

Concen: 50.40 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005474.D

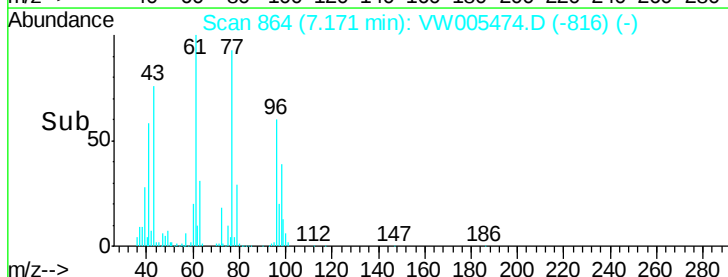
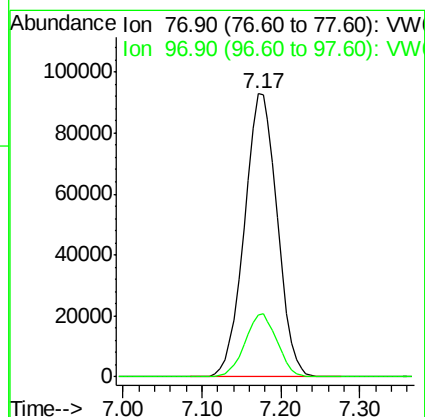
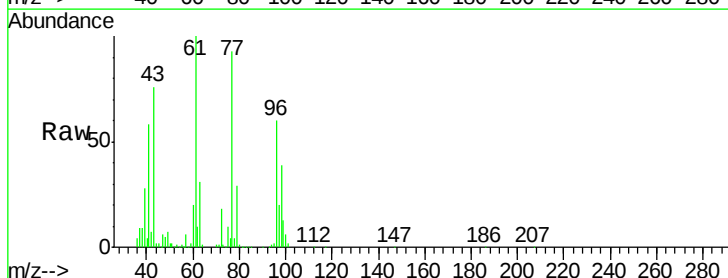
Acq: 18 Sep 2018 12:56

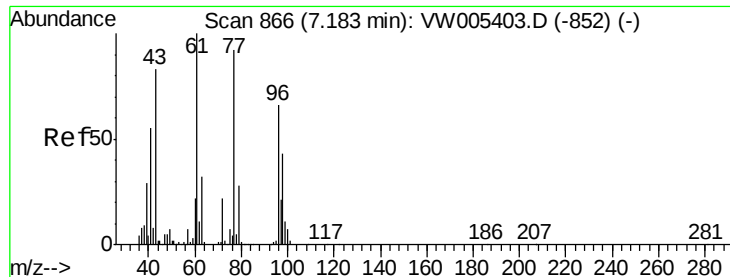
Tgt Ion: 77 Resp: 268956

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1





#27

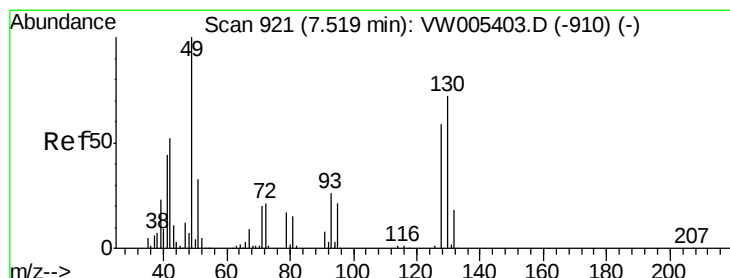
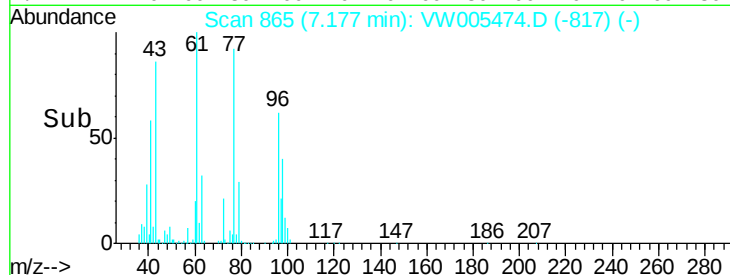
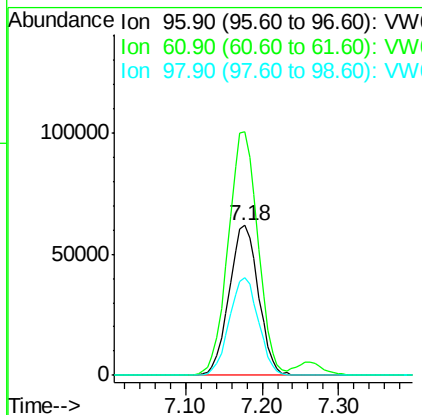
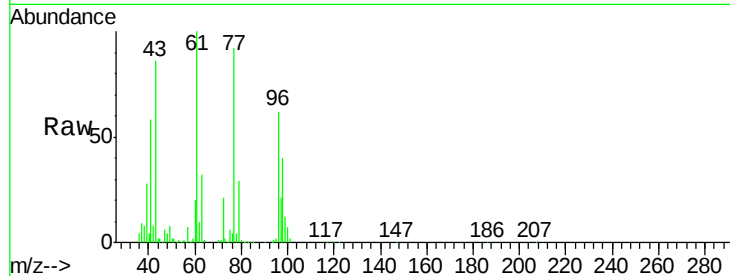
cis-1,2-Dichloroethene
 Concen: 47.24 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	164488		
61	164.8		0.0	316.0
98	64.6		0.0	130.8

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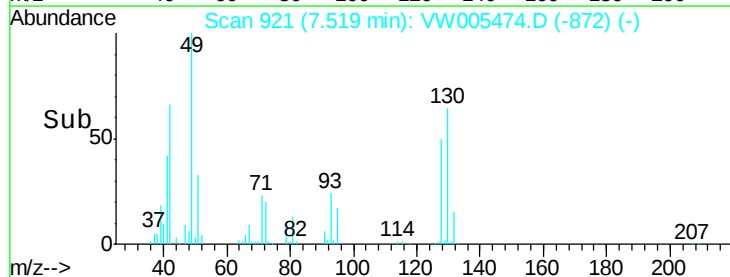
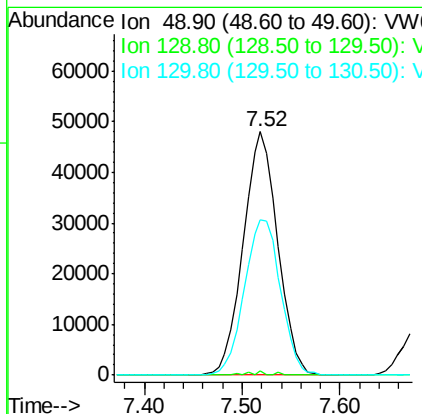
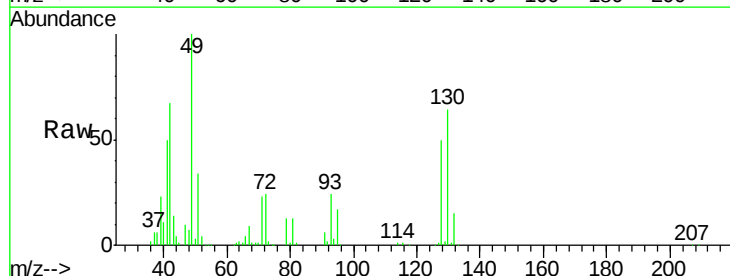
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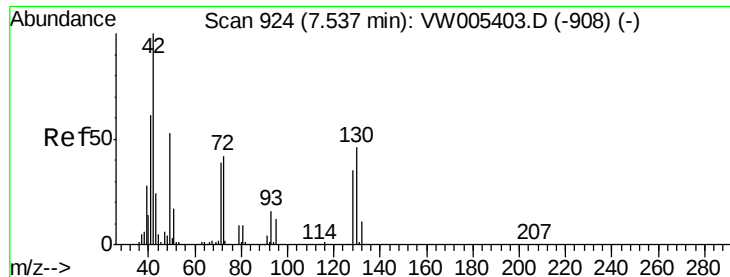


#28

Bromochloromethane
 Concen: 50.73 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117398		
129	0.3		0.0	1.0
130	66.7		61.4	92.2





#29

Tetrahydrofuran

Concen: 266.99 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

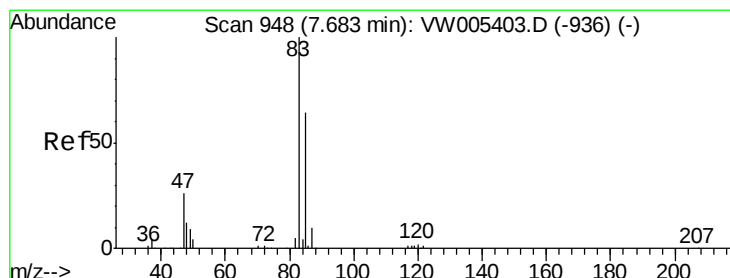
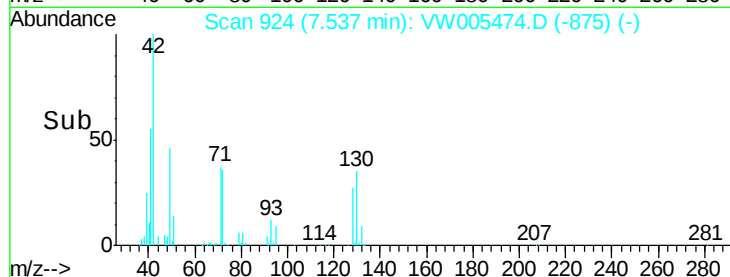
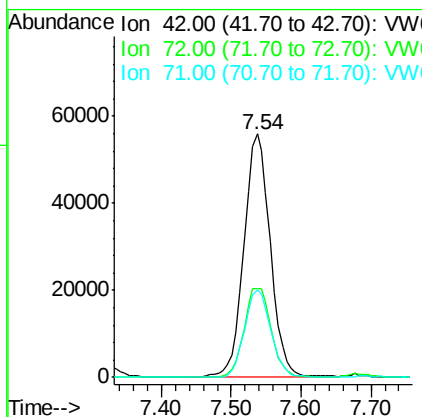
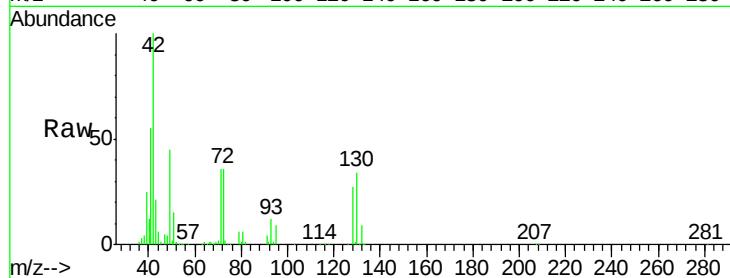
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	147126
Ion Ratio		Lower	Upper
42	100		
72	37.8	33.2	49.8
71	35.8	31.0	46.6

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#30

Chloroform

Concen: 45.54 ug/l

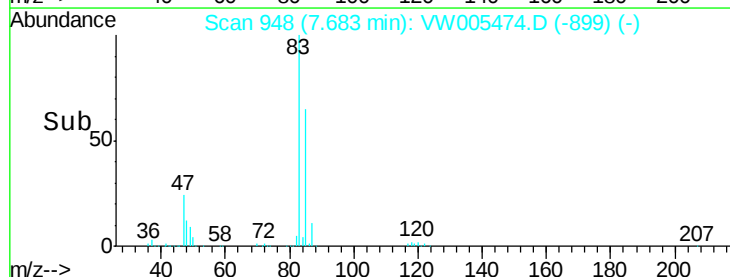
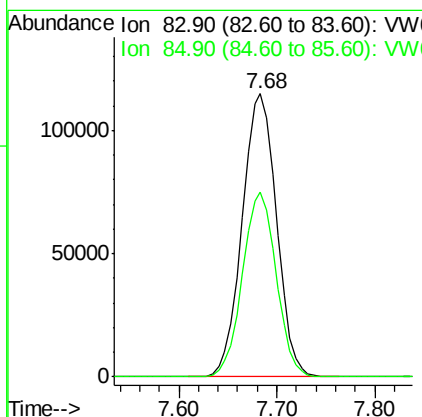
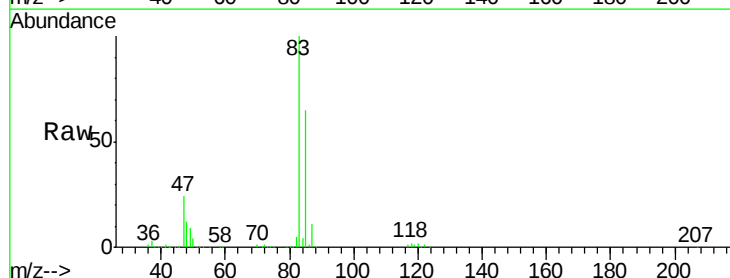
RT: 7.68 min Scan# 948

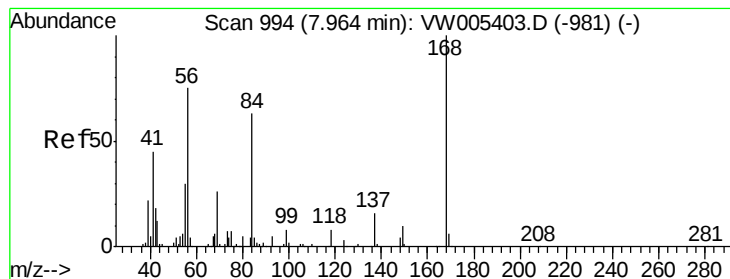
Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	83	Resp:	280556
Ion Ratio		Lower	Upper
83	100		
85	65.2	51.5	77.3





#31

Cyclohexane

Concen: 54.72 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

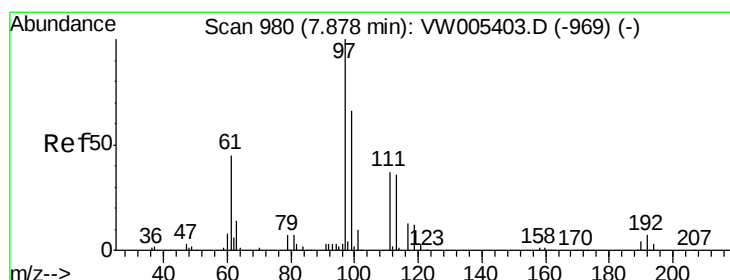
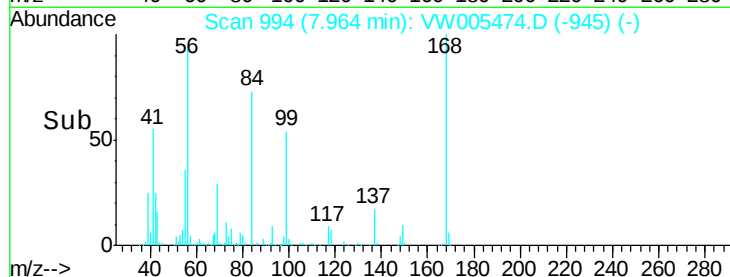
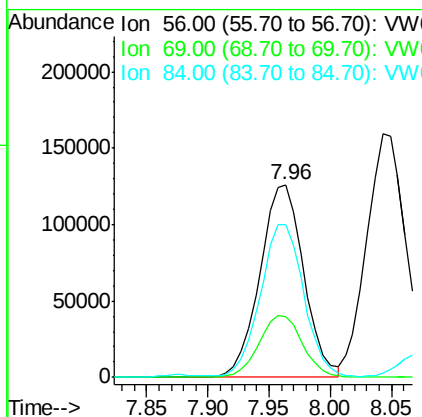
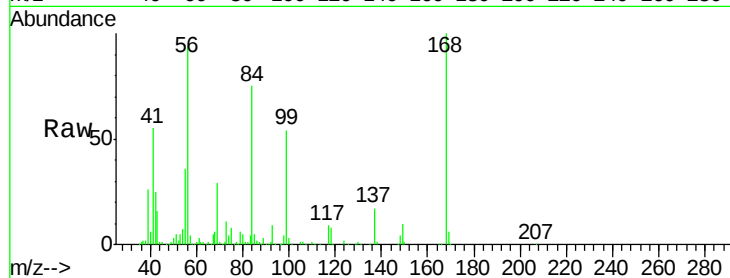
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	314054
Ion	Ratio	Lower	Upper
56	100		
69	31.2	27.2	40.8
84	78.5	66.7	100.1

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#32

1,1,1-Trichloroethane

Concen: 45.53 ug/l

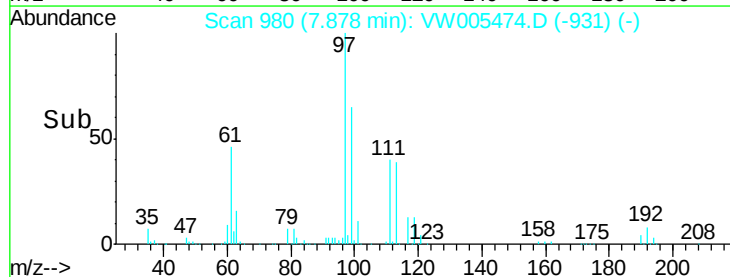
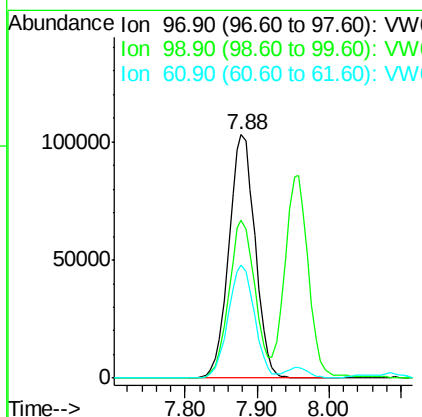
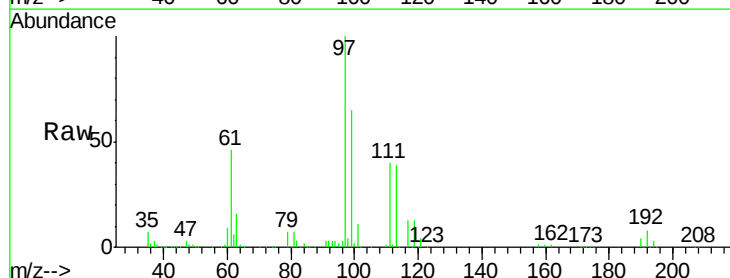
RT: 7.88 min Scan# 980

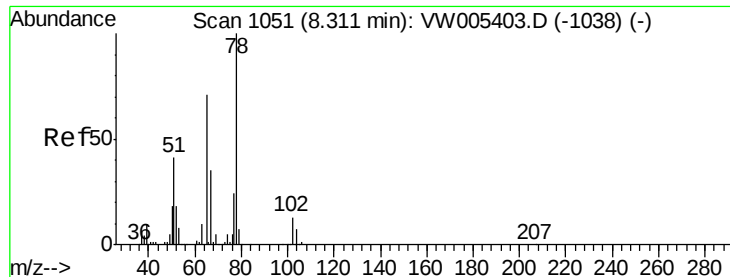
Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	97	Resp:	260841
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	46.7	35.8	53.6





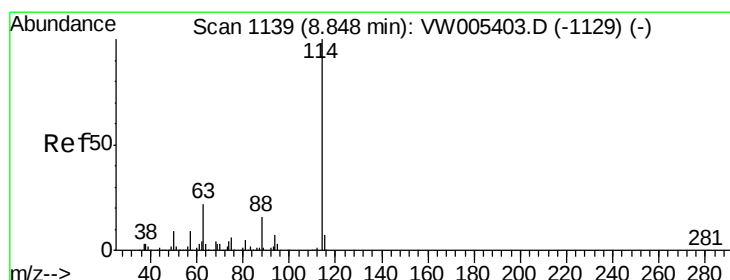
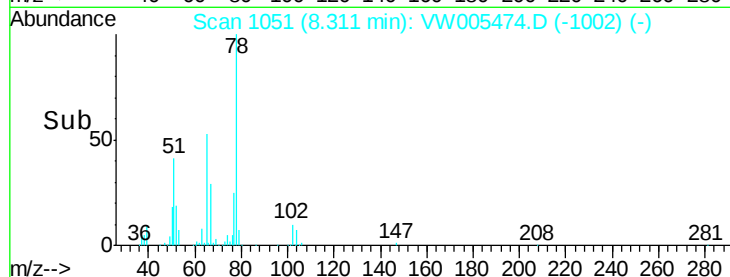
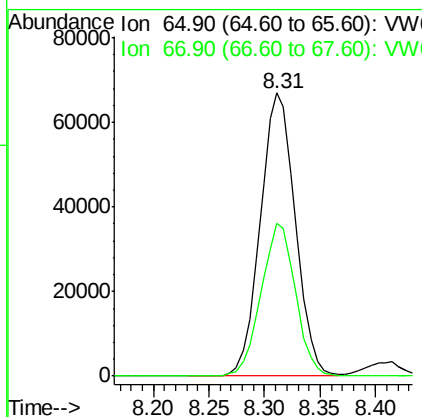
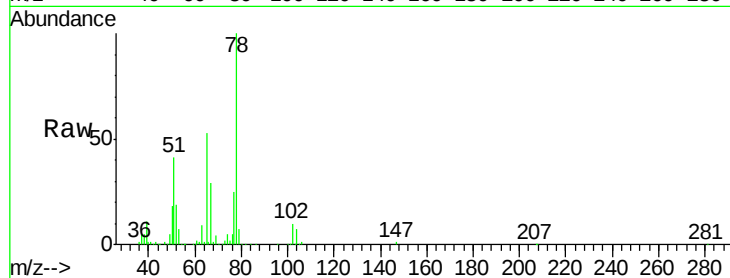
#33
 1,2-Dichloroethane-d4
 Concen: 40.74 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	100.6	

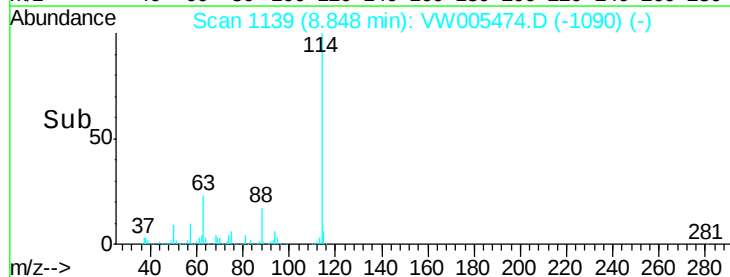
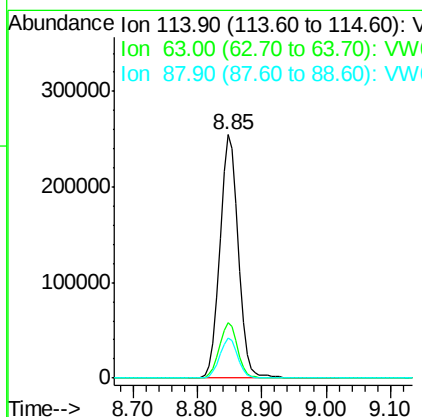
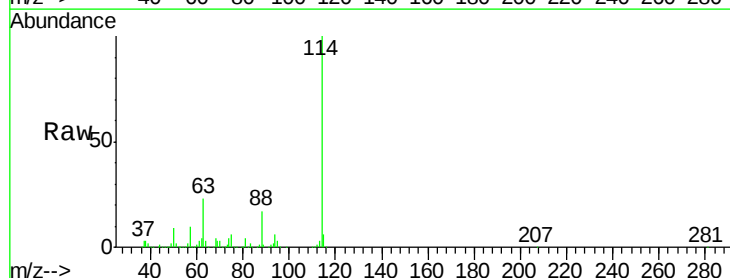
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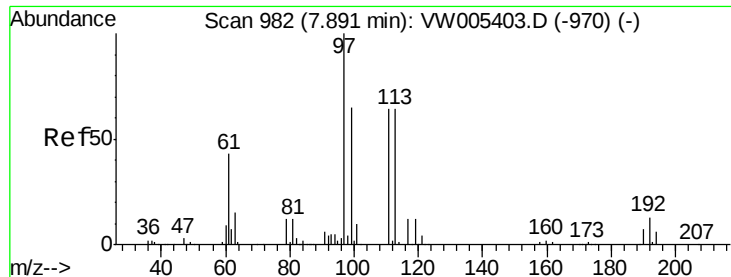
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	43.4	
88	16.7	0.0	31.8	





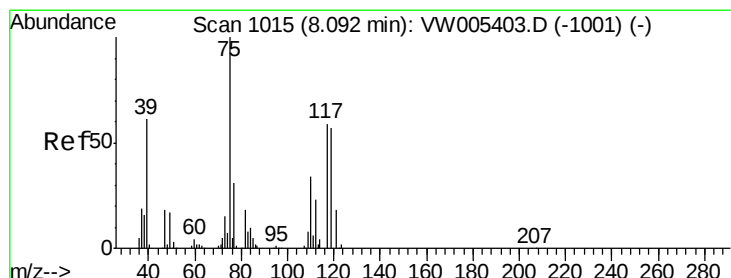
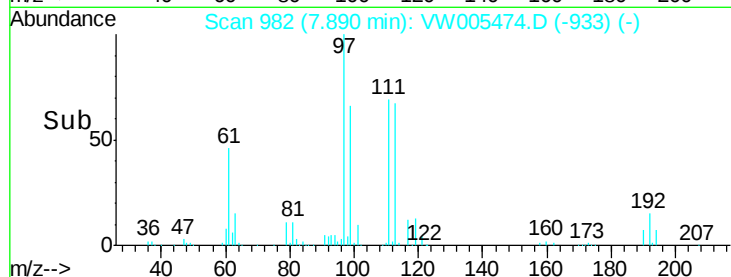
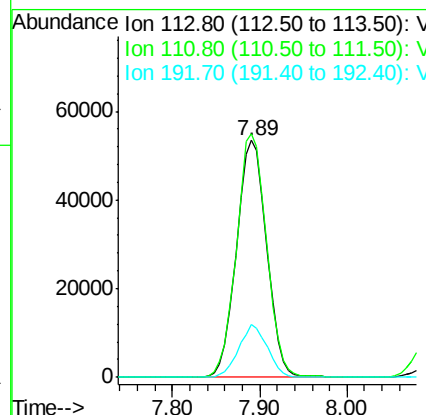
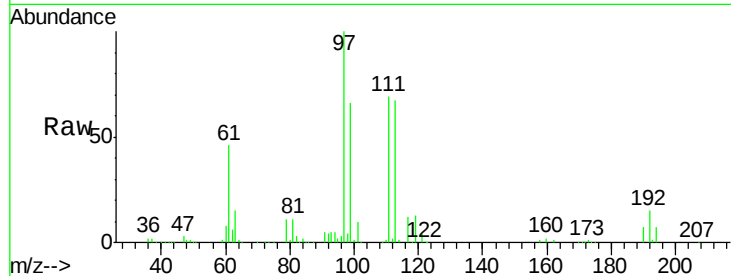
#35
Dibromofluoromethane
Concen: 44.46 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128365		
111	102.3	82.3	123.5	
192	21.0	16.5	24.7	

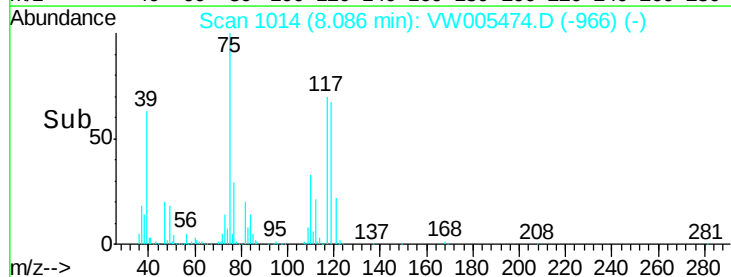
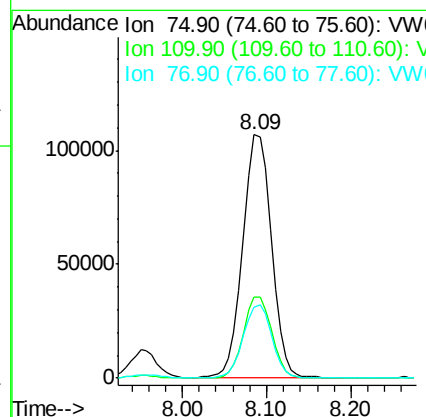
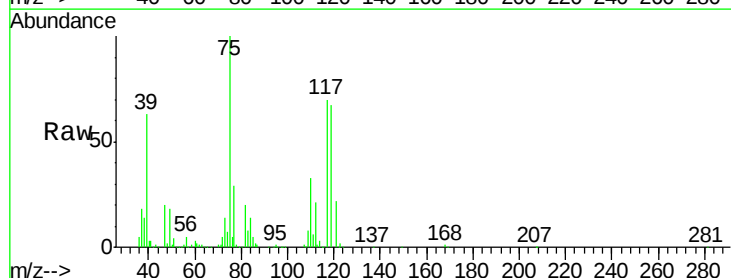
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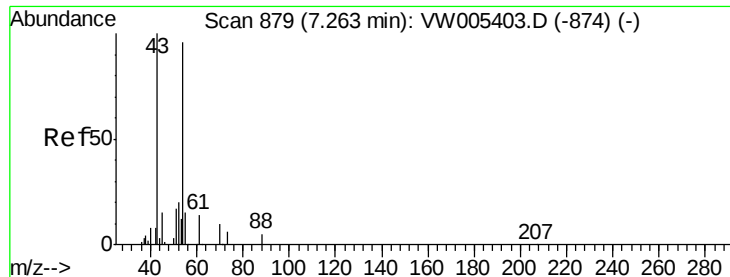
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#36
1,1-Dichloropropene
Concen: 50.54 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246288		
110	33.0	16.8	50.4	
77	29.9	24.2	36.4	





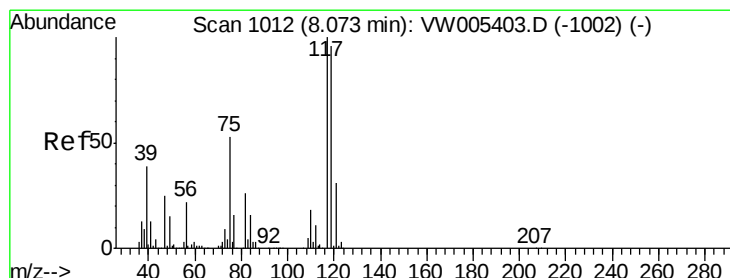
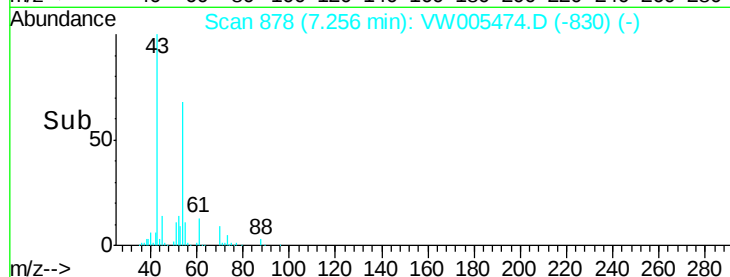
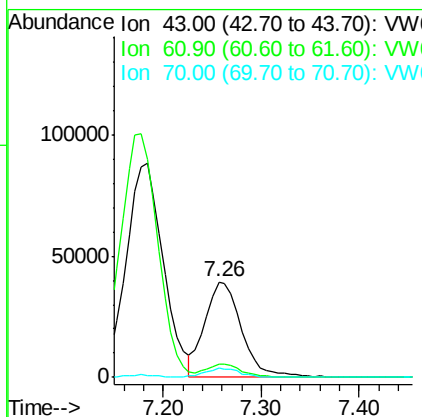
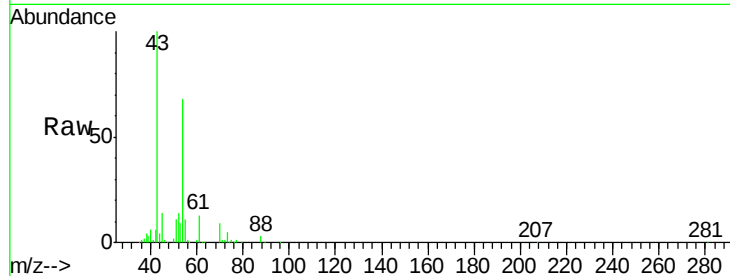
#37
Ethyl Acetate
Concen: 51.08 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	101240
Ion Ratio	Lower	Upper	
43	100		
61	13.2	11.3	16.9
70	9.1	8.2	12.4

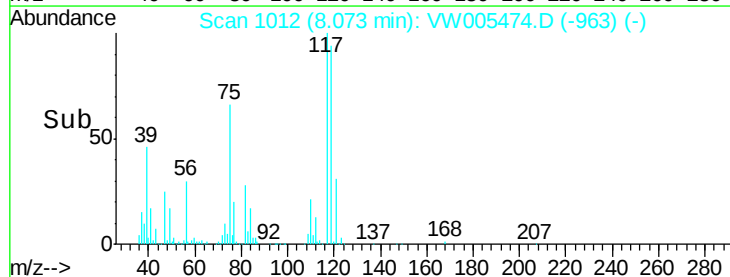
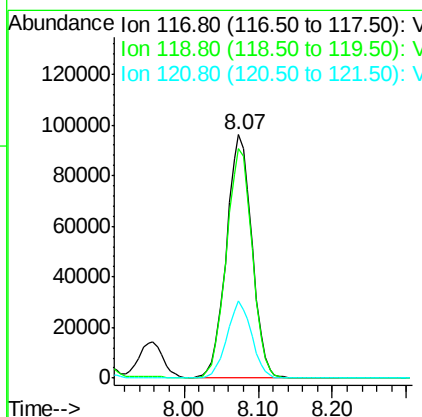
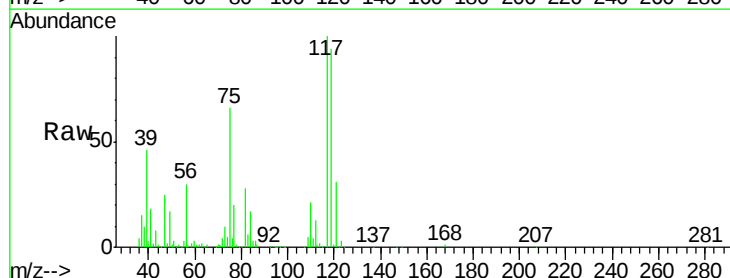
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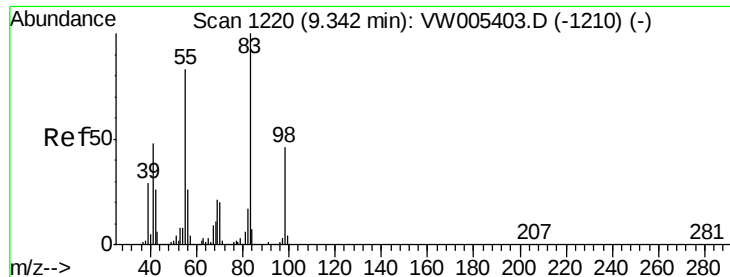
apatel
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#38
Carbon Tetrachloride
Concen: 45.53 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	117	Resp	231195
Ion Ratio	Lower	Upper	
117	100		
119	94.2	76.8	115.2
121	31.5	24.7	37.1





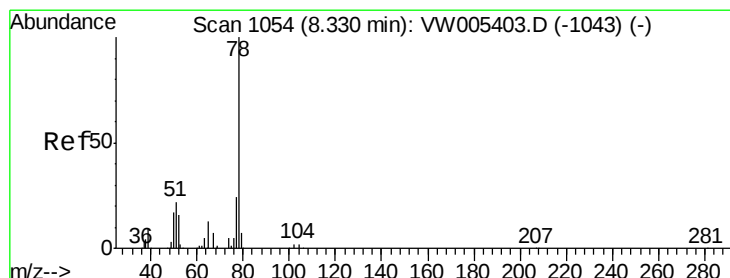
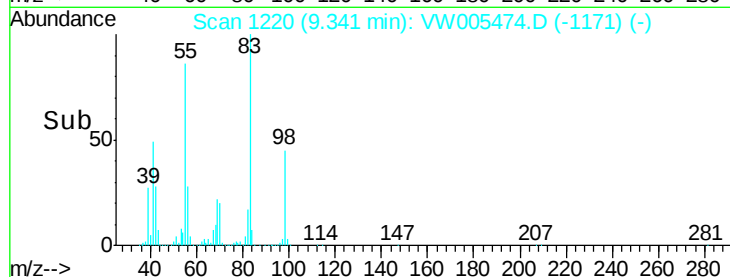
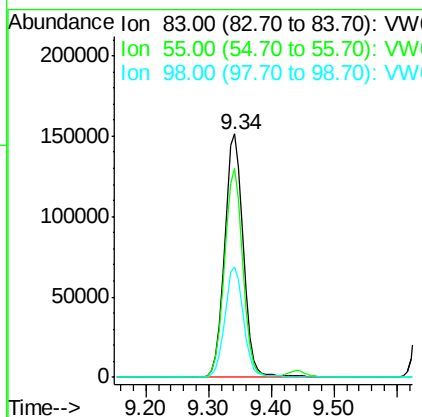
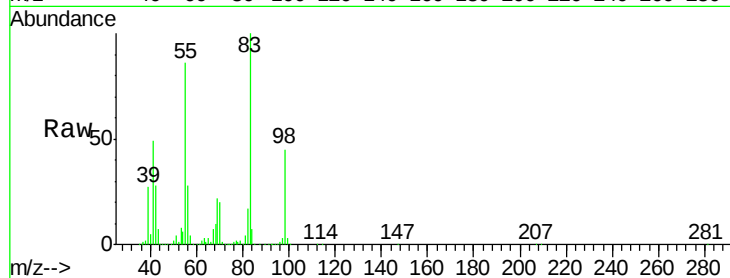
#39
Methvlcvclohexane
Concen: 55.10 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	66.1	99.1
98	45.2	36.7	55.1

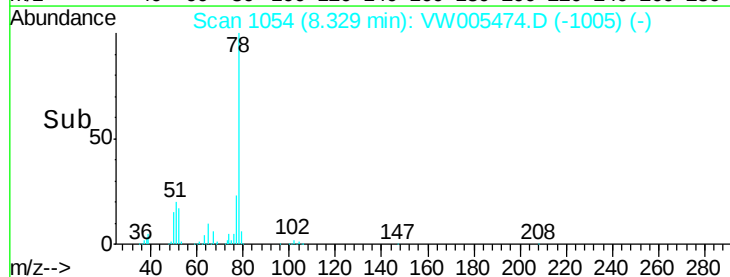
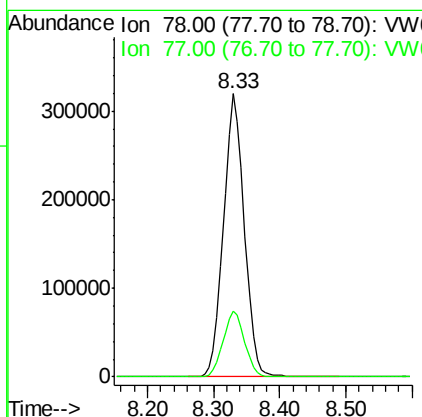
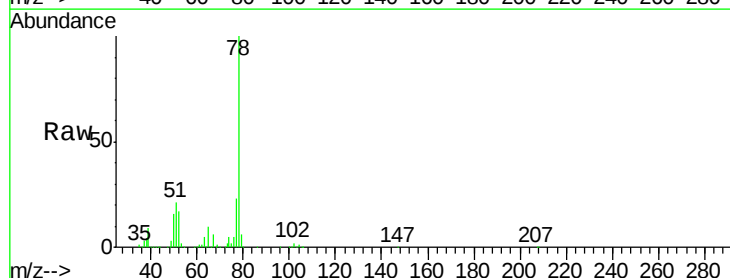
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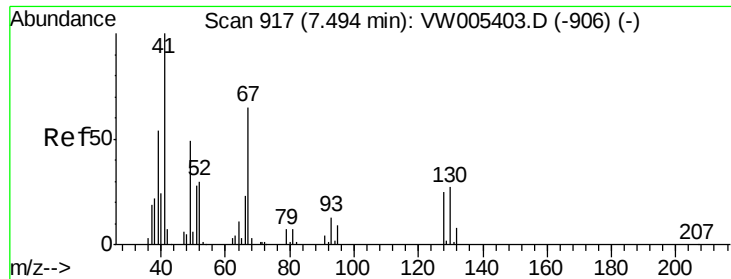
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#40
Benzene
Concen: 49.28 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9





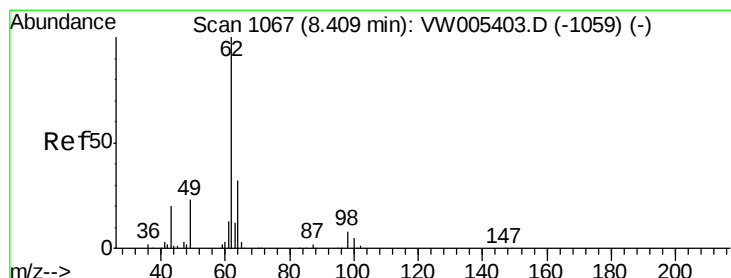
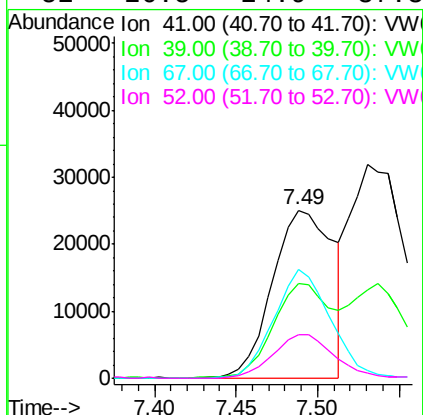
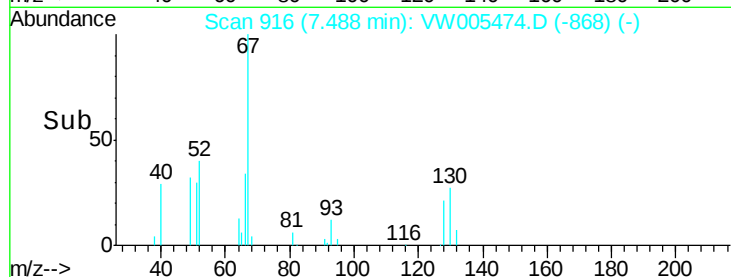
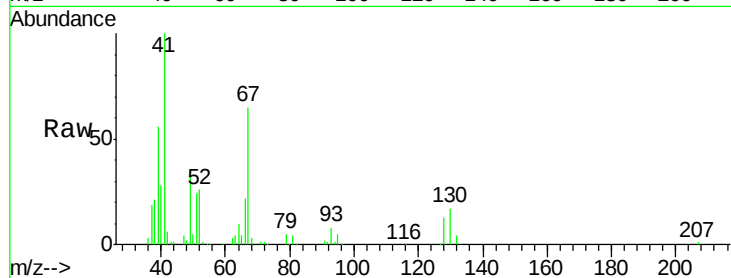
#41
Methacrylonitrile
Concen: 53.91 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.6	67.0
67	60.9	53.6	80.4
52	26.5	24.9	37.3

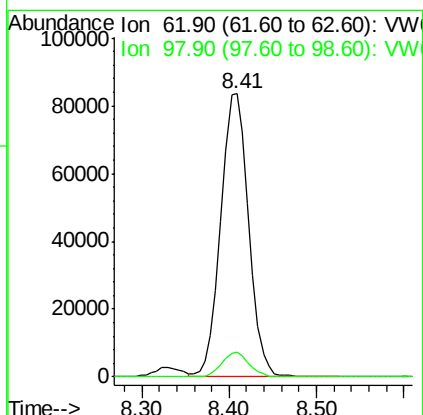
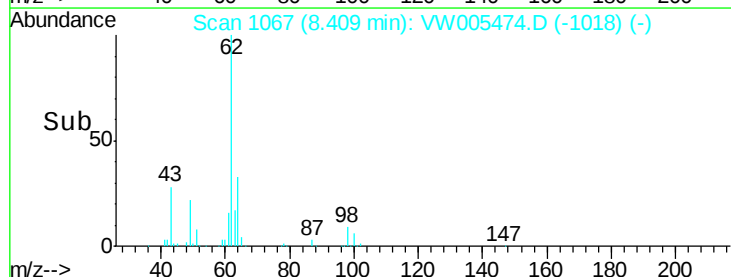
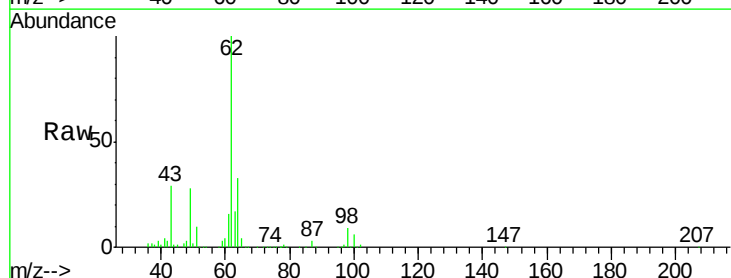
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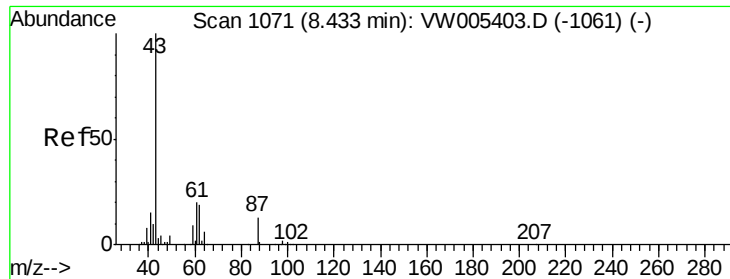
apatel
9/19/2018 11:25:32 AM



#42
1,2-Dichloroethane
Concen: 41.87 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 50.80 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

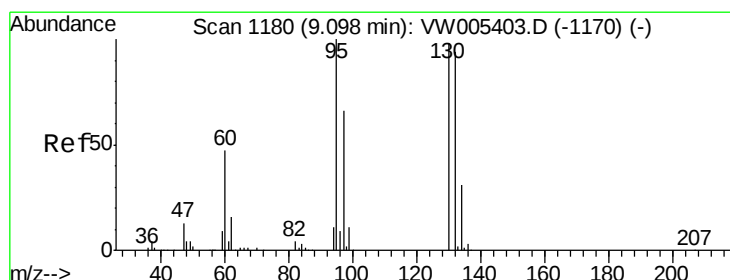
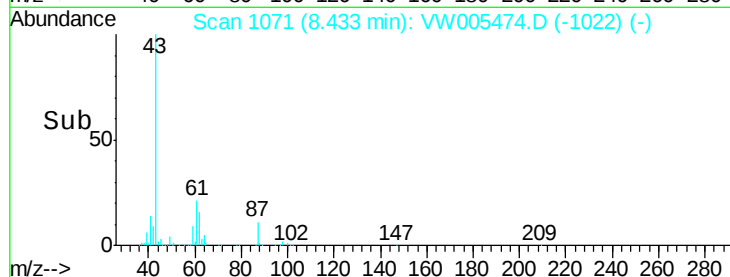
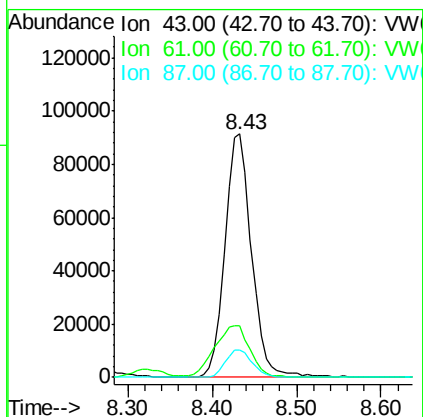
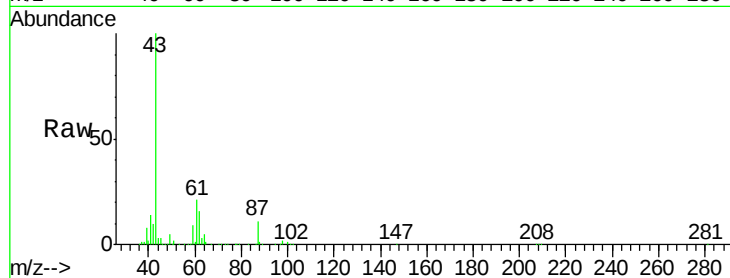
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	196478
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.8	35.6
87	11.5	10.1	15.1

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#44

Trichloroethene

Concen: 47.18 ug/l

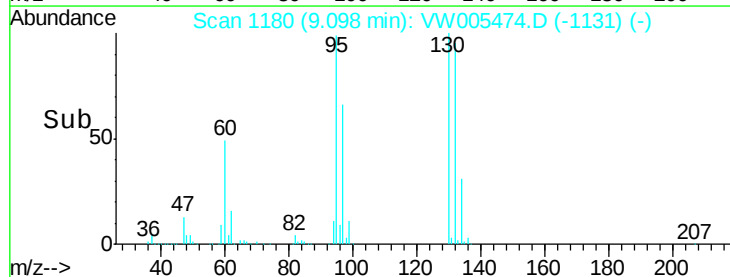
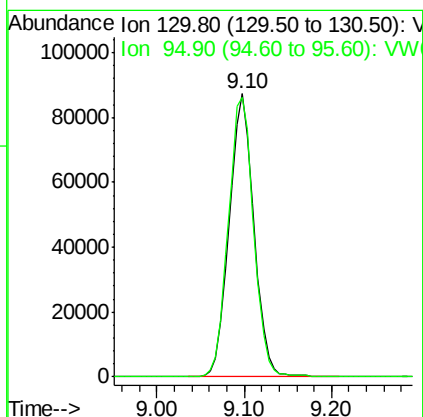
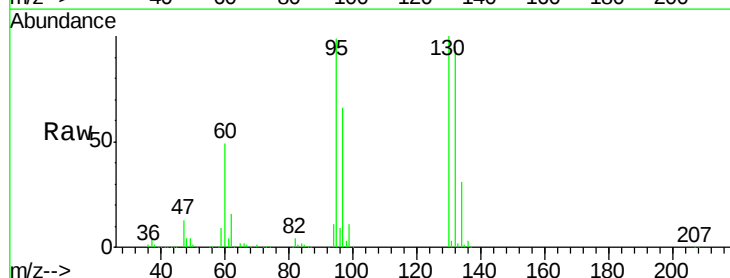
RT: 9.10 min Scan# 1180

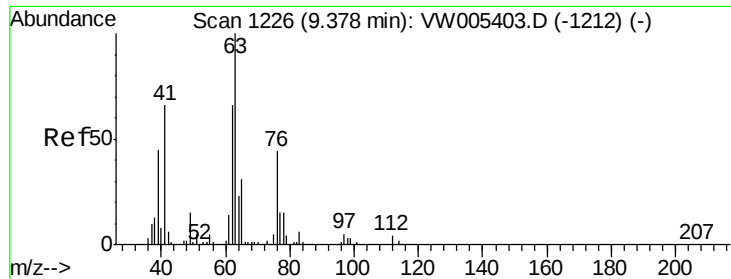
Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	130	Resp:	171446
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	204.6





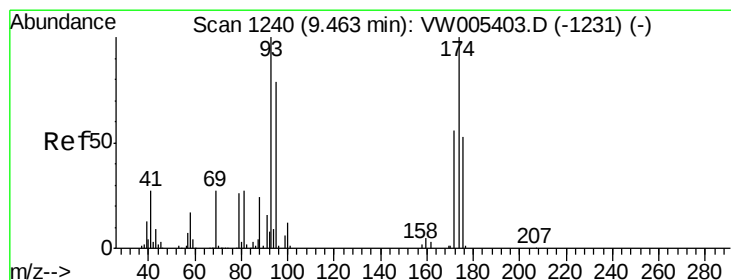
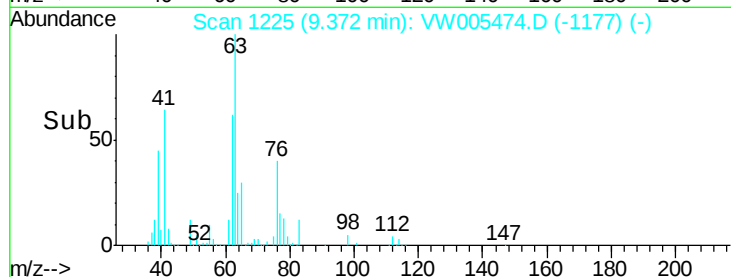
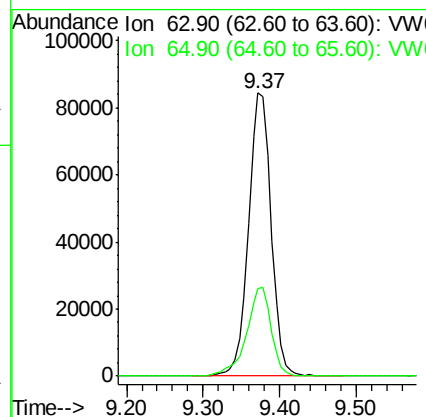
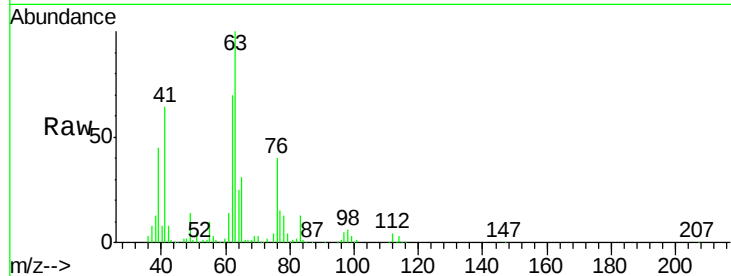
#45
 1,2-Dichloropropane
 Concen: 51.32 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.6

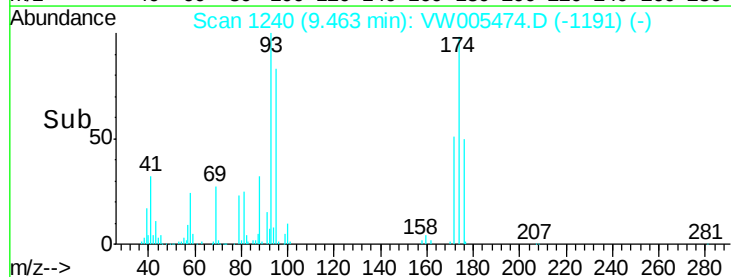
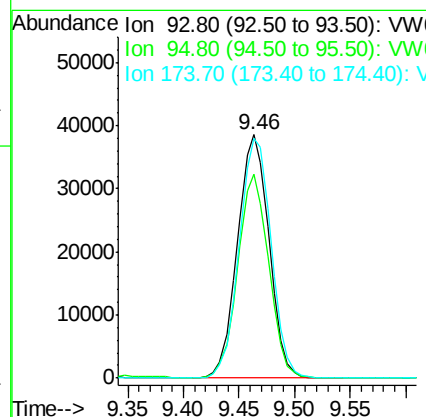
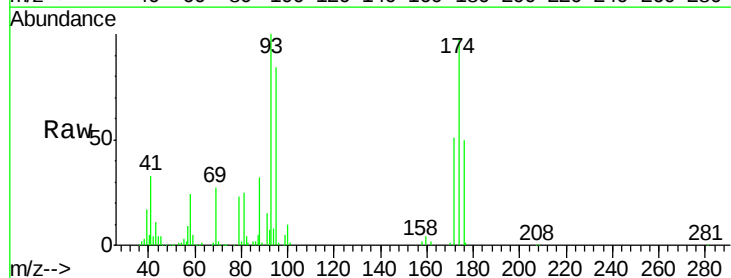
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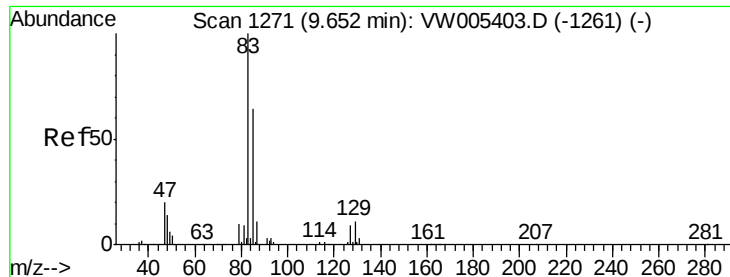
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#46
 Dibromomethane
 Concen: 45.51 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.4	98.0
174	99.6	83.4	125.2





#47

Bromodichloromethane

Concen: 46.03 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

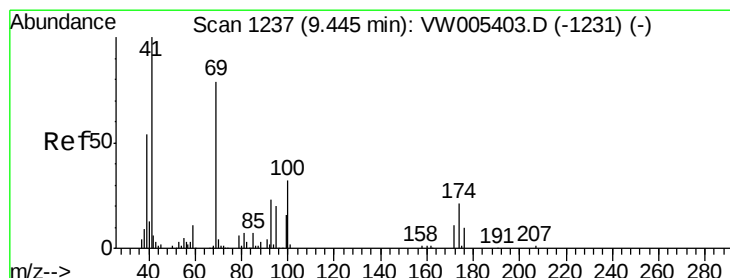
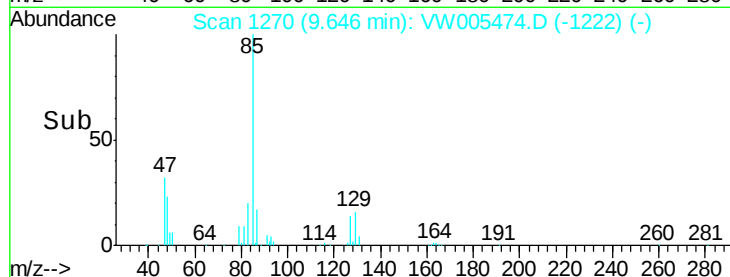
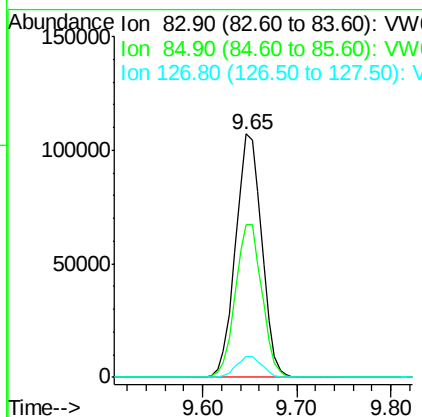
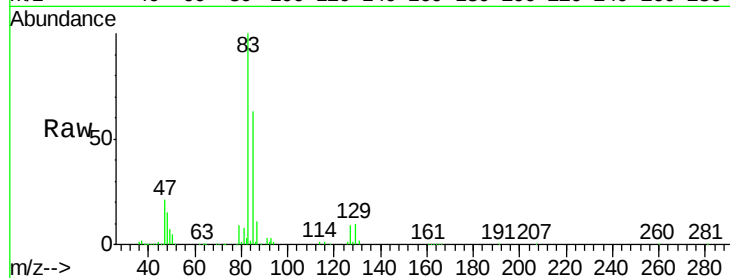
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	206944
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.9	76.3
127	8.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 51.50 ug/l

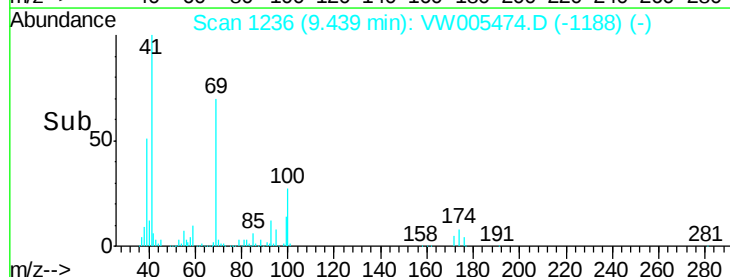
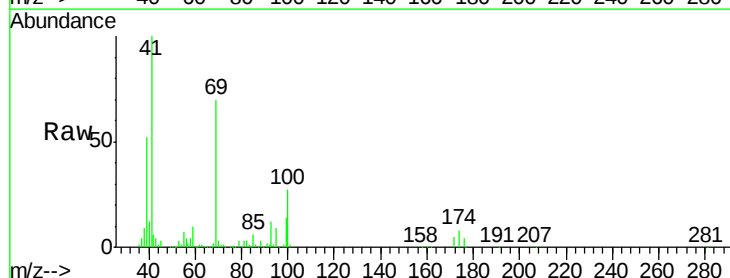
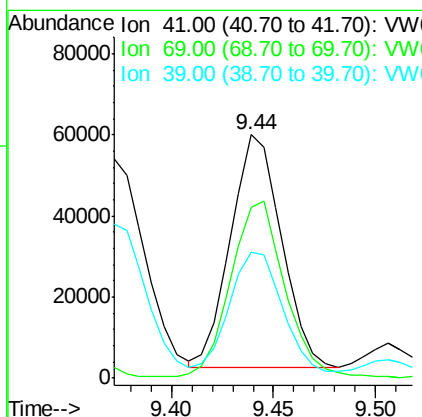
RT: 9.44 min Scan# 1236

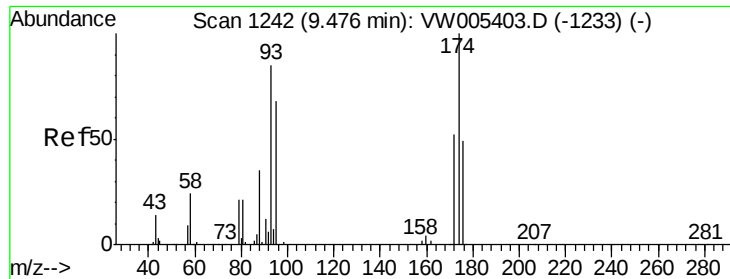
Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	41	Resp:	99412
Ion Ratio	Lower	Upper	
41	100		
69	80.9	67.5	101.3
39	52.7	45.5	68.3





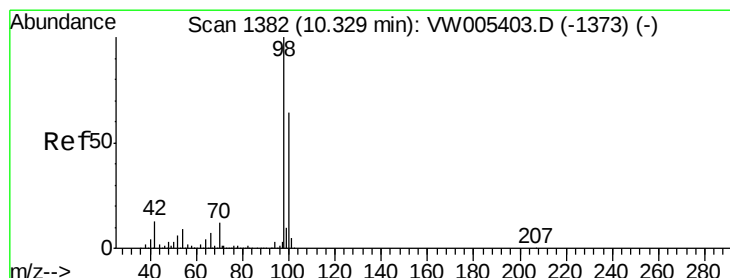
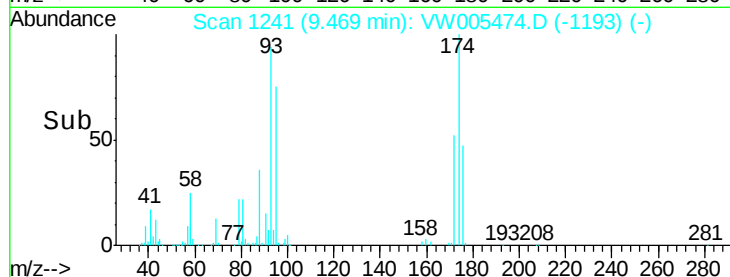
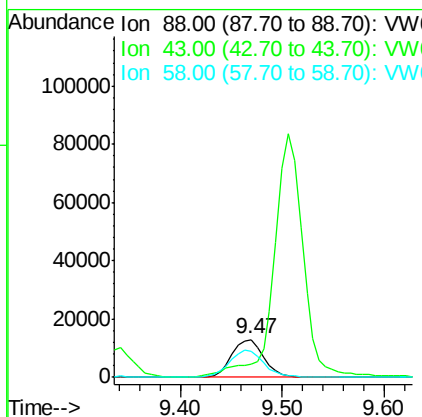
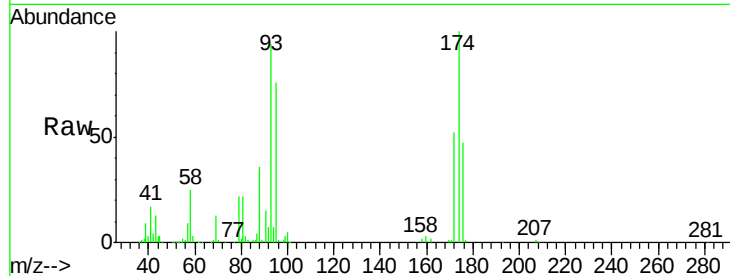
#49
1,4-Dioxane
Concen: 1011.37 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	27969
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.3	62.4	93.6

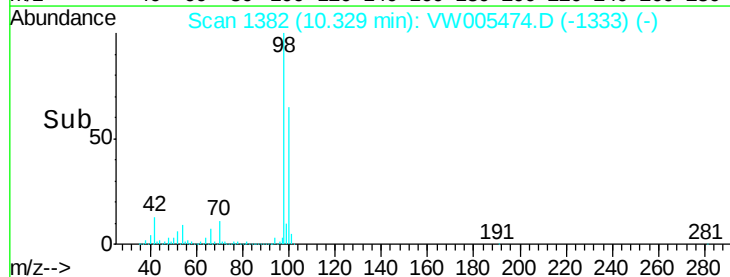
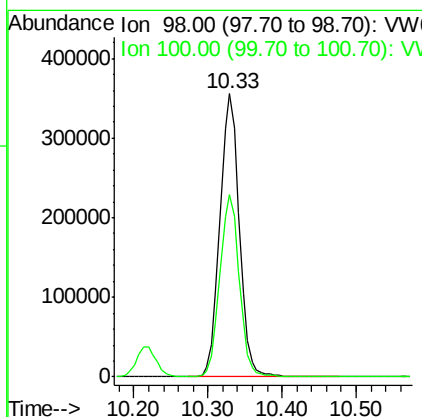
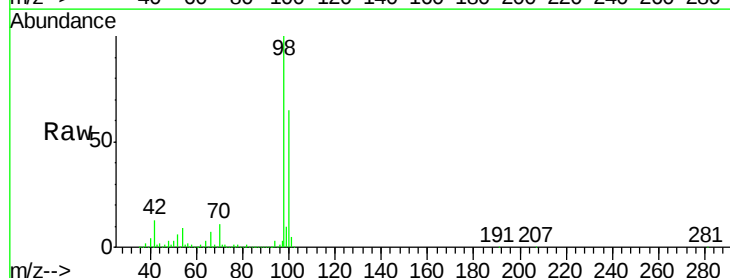
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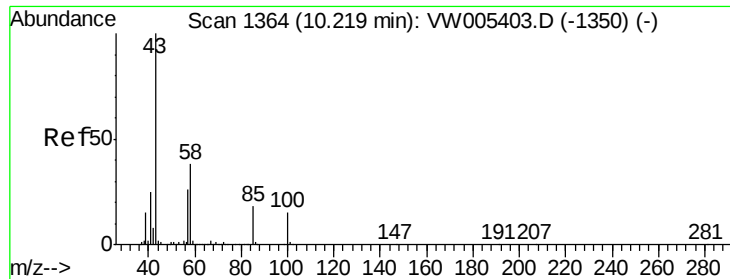
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9/19/2018 11:25:32 AM



#50
Toluene-d8
Concen: 48.74 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	98	Resp	644481
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 270.94 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 539466

Ion Ratio Lower Upper

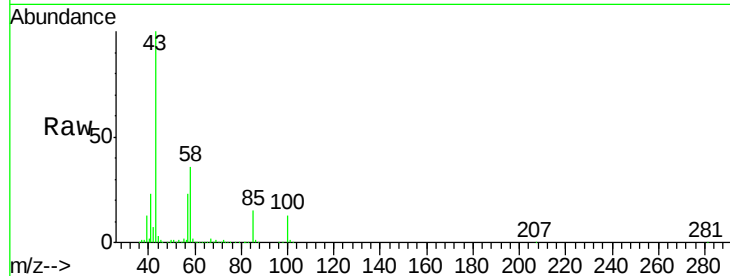
43 100

58 36.7 29.9 44.9

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

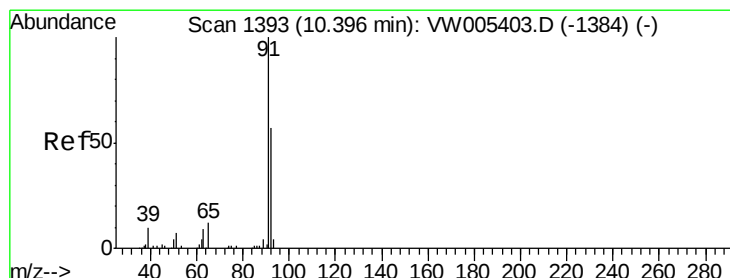
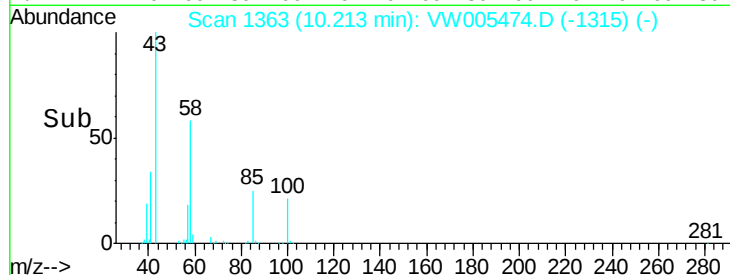
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 49.64 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005474.D

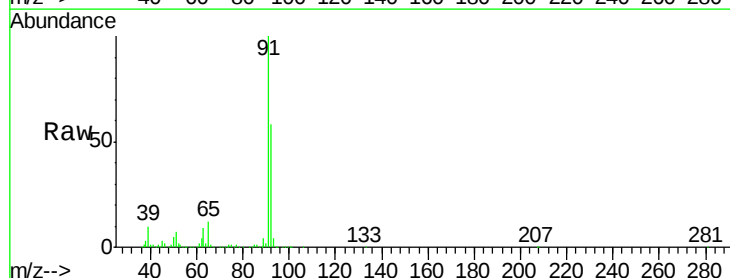
Acq: 18 Sep 2018 12:56

Tgt Ion: 92 Resp: 474598

Ion Ratio Lower Upper

92 100

91 173.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.40

500000

400000

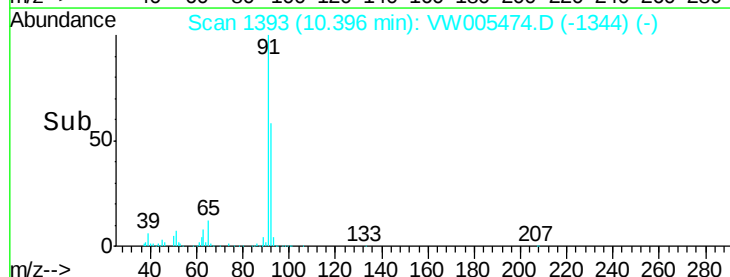
300000

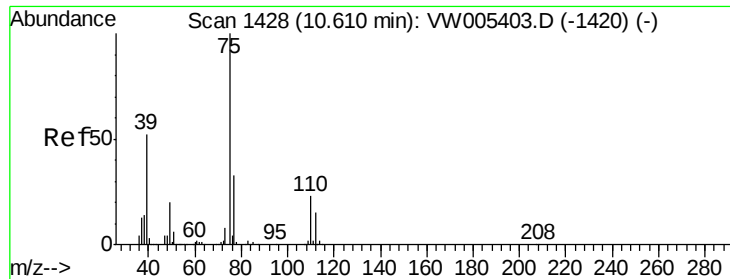
200000

100000

0

Time--> 10.30 10.40 10.50 10.60





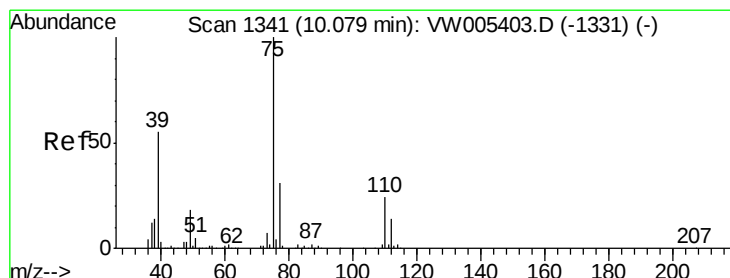
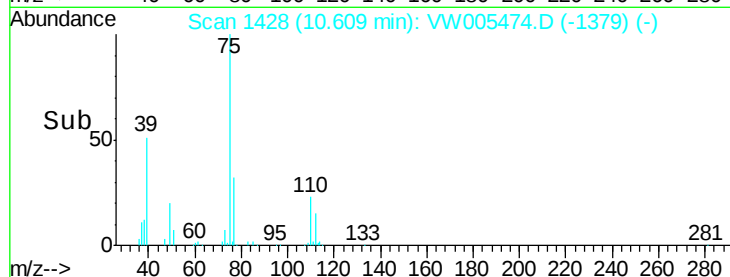
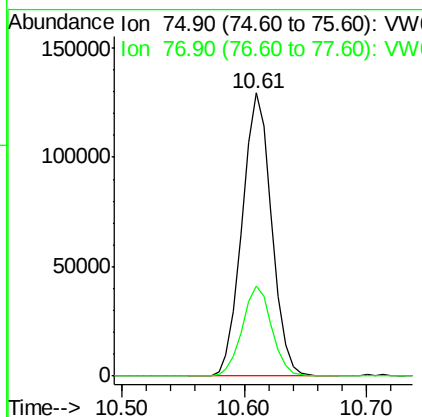
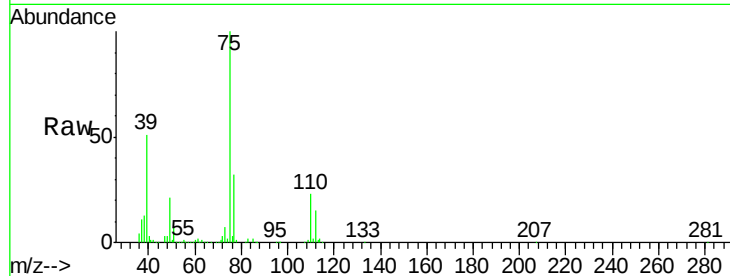
#53
t-1,3-Dichloropropene
Concen: 48.12 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 216490
Ion Ratio Lower Upper
75 100
77 31.7 26.5 39.7

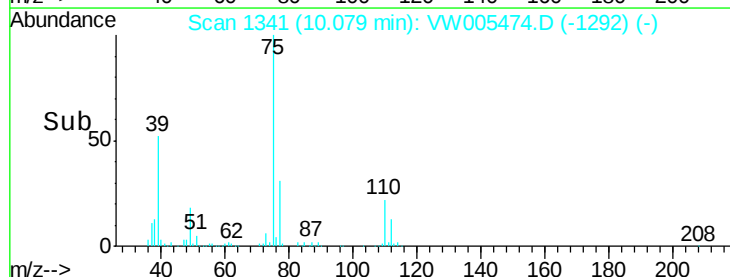
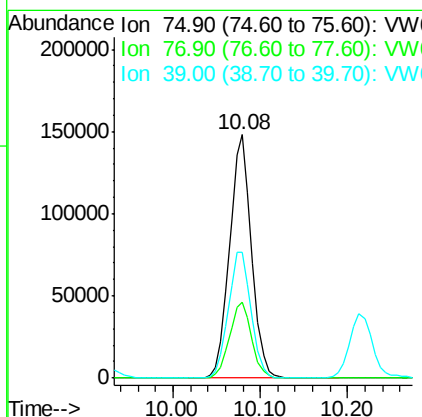
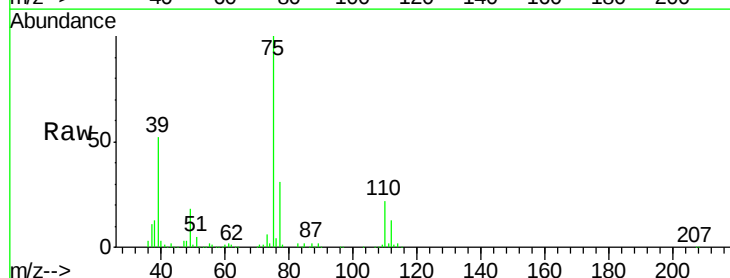
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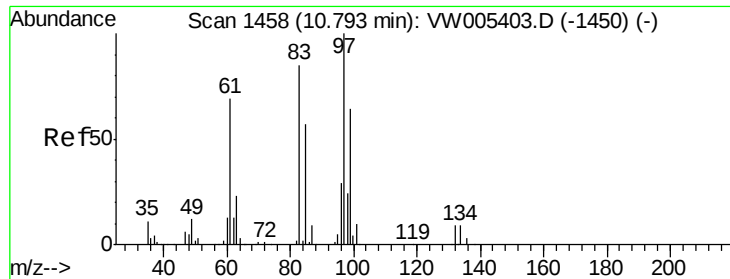
apatel
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#54
cis-1,3-Dichloropropene
Concen: 50.47 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion: 75 Resp: 257085
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4
39 51.6 44.2 66.2





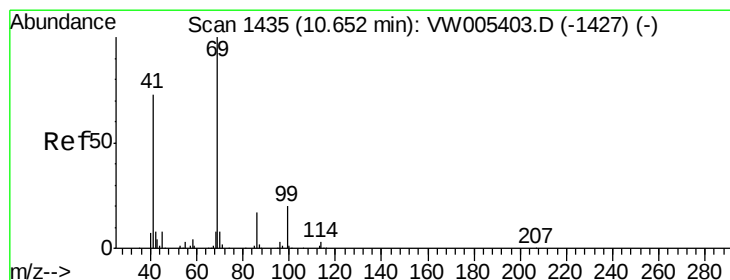
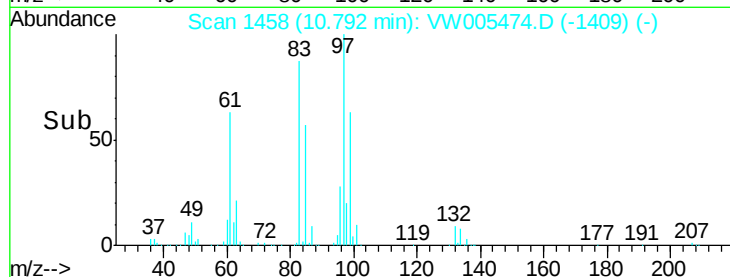
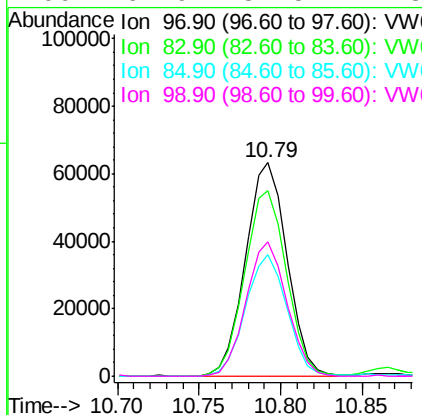
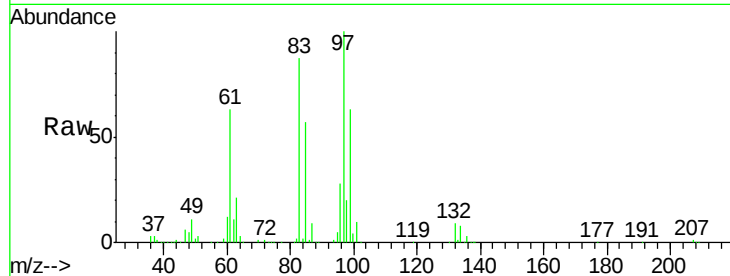
#55
 1,1,2-Trichloroethane
 Concen: 45.49 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	112189
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.8	101.8
85	56.9	45.4	68.0
99	62.9	51.5	77.3

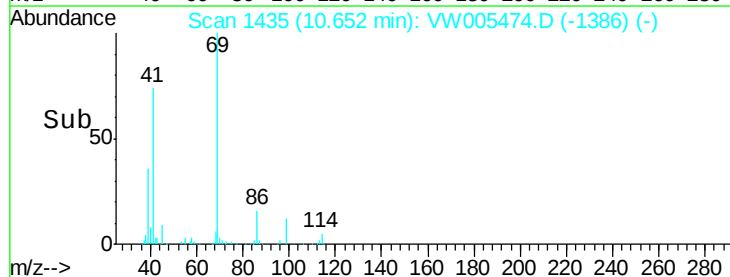
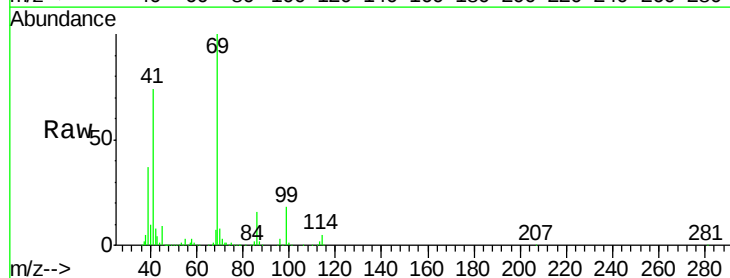
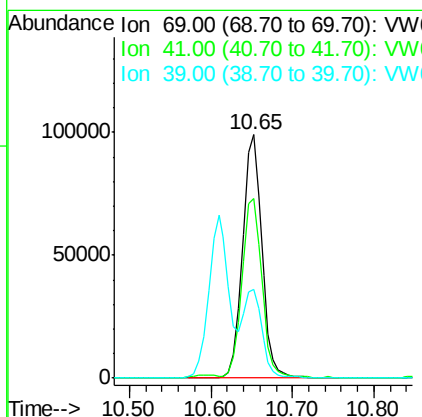
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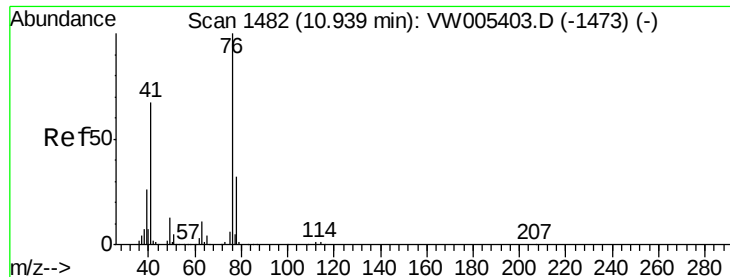
apatel
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#56
 Ethyl methacrylate
 Concen: 51.87 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion:	69	Resp:	161900
Ion	Ratio	Lower	Upper
69	100		
41	75.7	59.3	88.9
39	34.2	30.2	45.4





#57

1,3-Dichloropropane

Concen: 47.88 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 203816

Ion Ratio Lower Upper

76 100

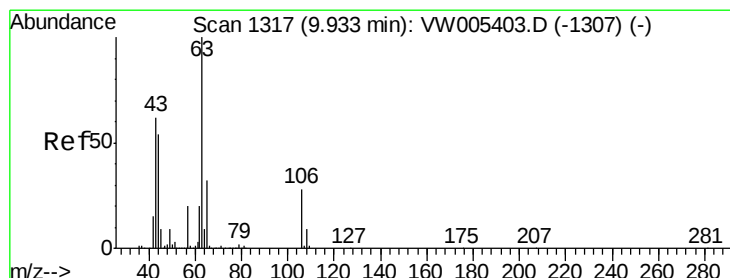
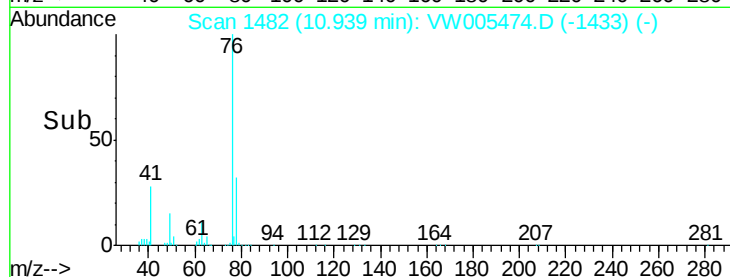
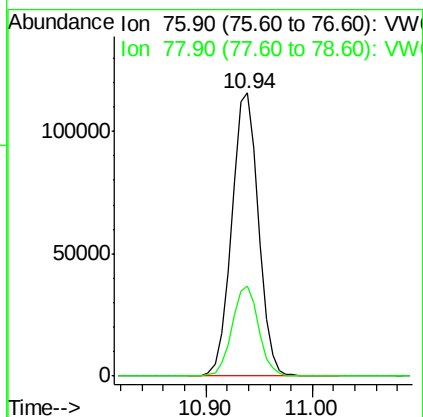
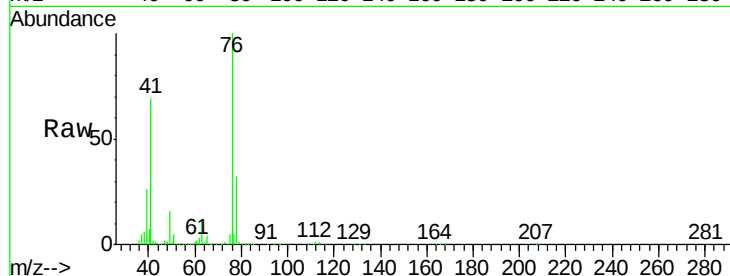
78 31.7 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 269.67 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VW005474.D

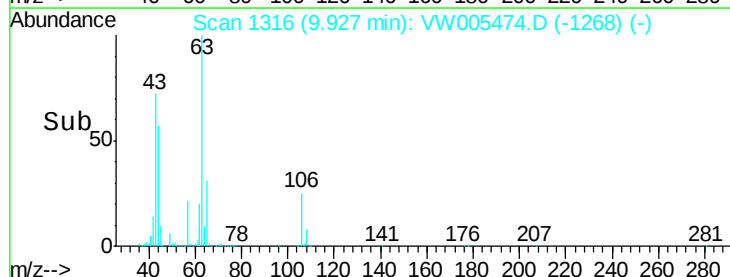
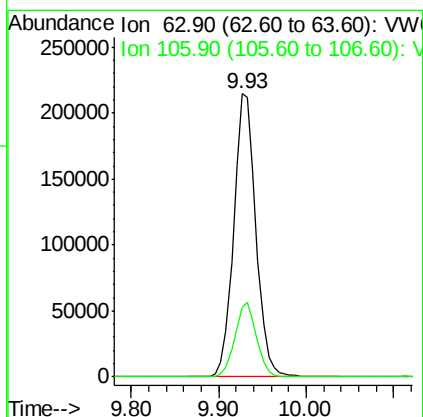
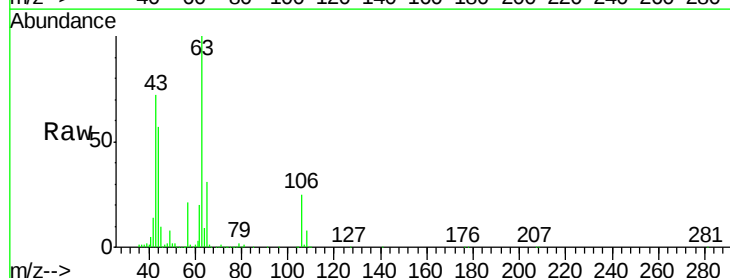
Acq: 18 Sep 2018 12:56

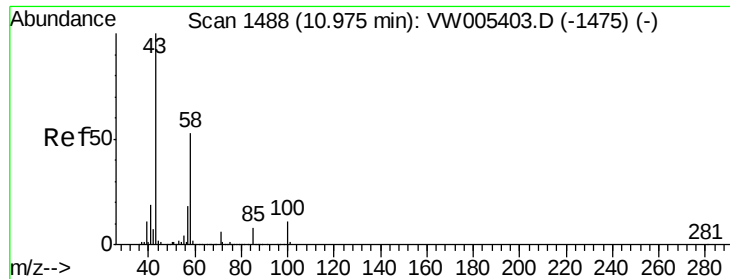
Tgt Ion: 63 Resp: 380712

Ion Ratio Lower Upper

63 100

106 25.7 22.0 33.0





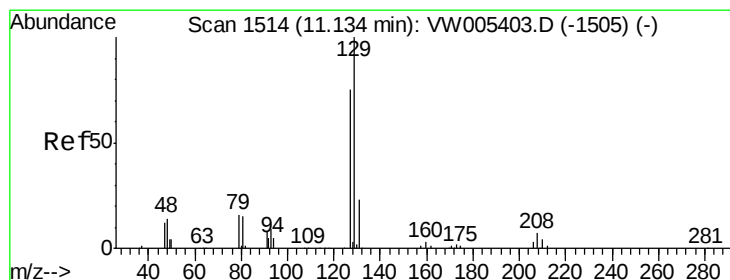
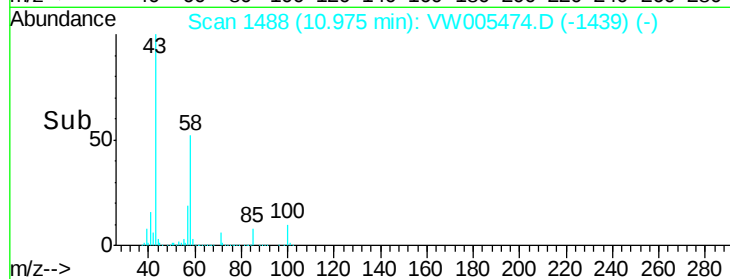
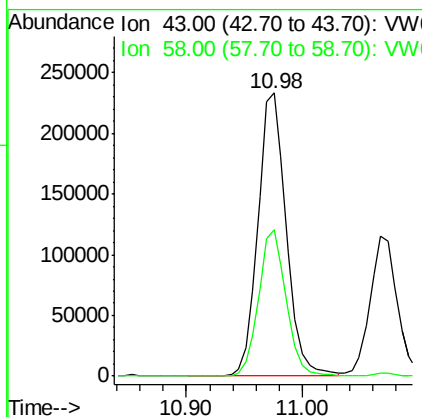
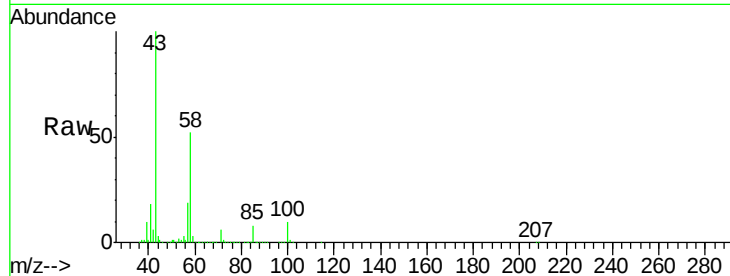
#59
2-Hexanone
Concen: 291.35 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	395147
Ion Ratio	Lower	Upper	
43	100		
58	50.3	25.5	76.5

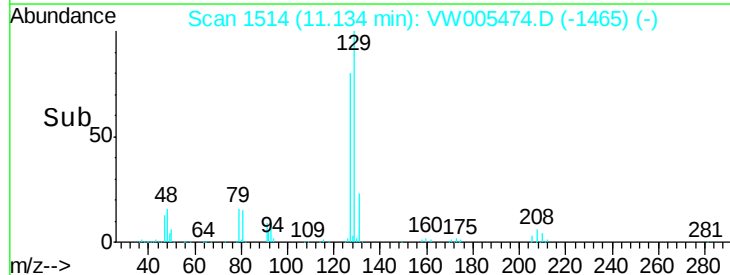
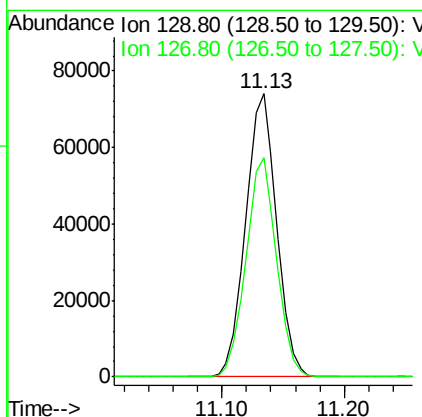
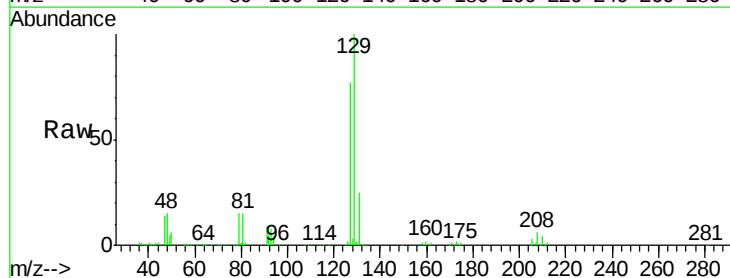
Manual Integrations
APPROVED

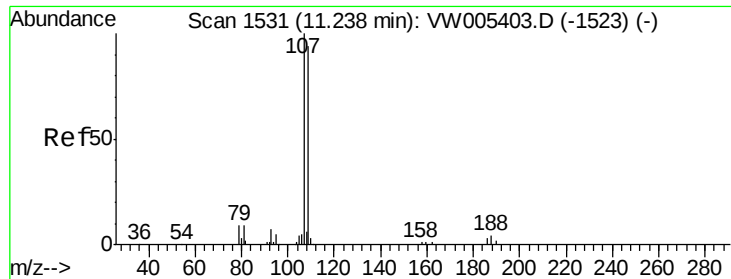
apatel
9/19/2018 11:25:32 AM



#60
Dibromochloromethane
Concen: 43.94 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	129	Resp	130374
Ion Ratio	Lower	Upper	
129	100		
127	76.1	38.5	115.3





#61

1,2-Dibromoethane

Concen: 46.15 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 102058

Ion Ratio Lower Upper

107 100

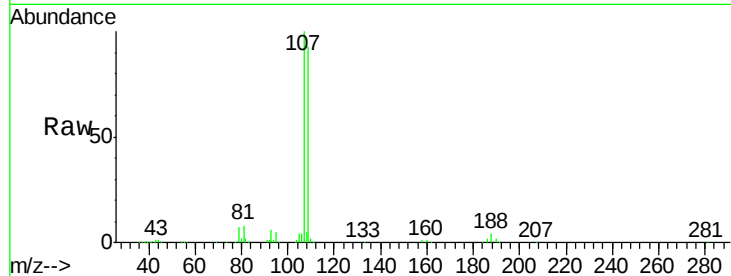
109 94.3 75.0 112.6

Manual Integrations

APPROVED

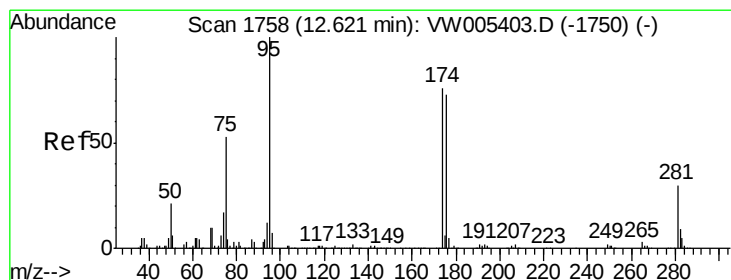
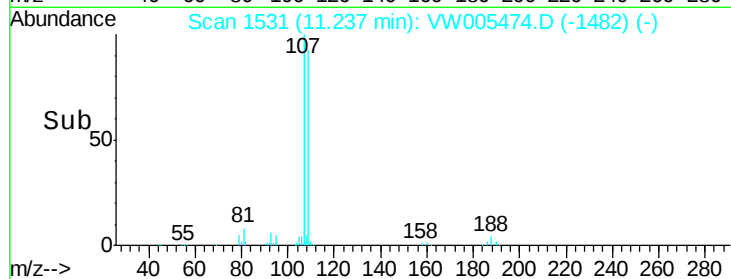
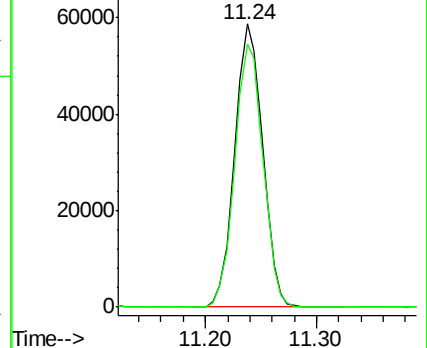
apatel

9/19/2018 11:25:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.18 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

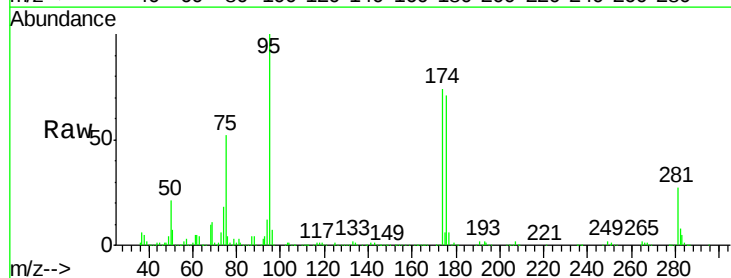
Tgt Ion: 95 Resp: 233593

Ion Ratio Lower Upper

95 100

174 77.6 0.0 161.2

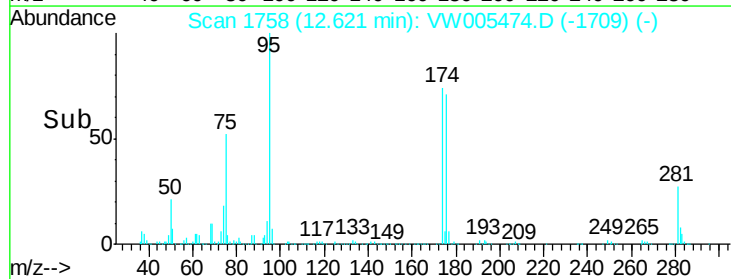
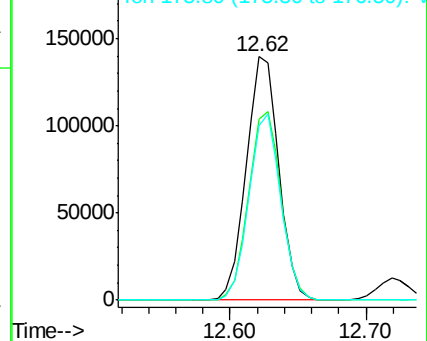
176 74.8 0.0 156.6

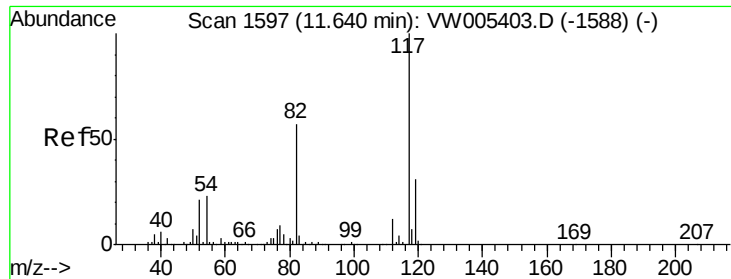


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





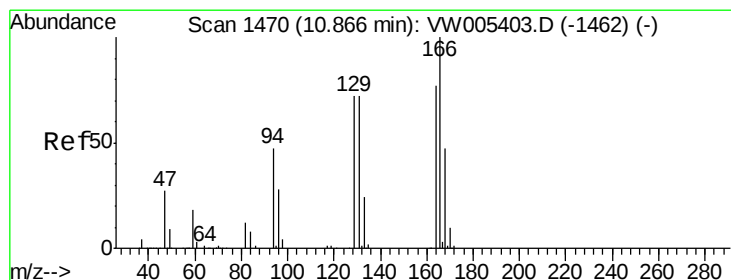
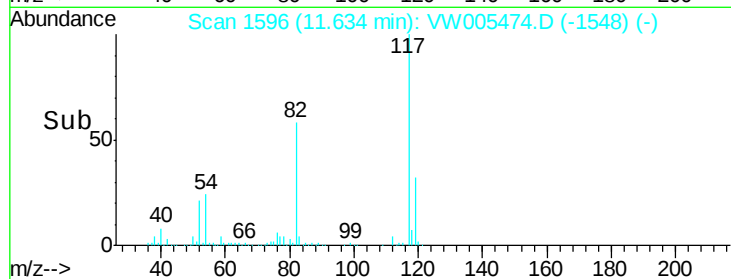
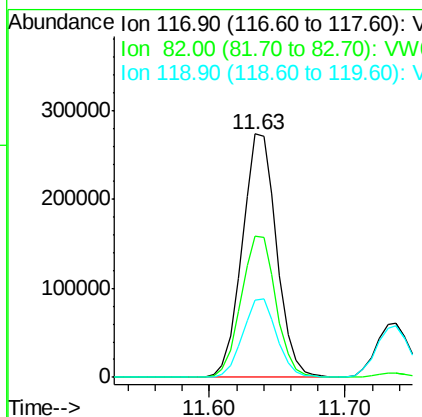
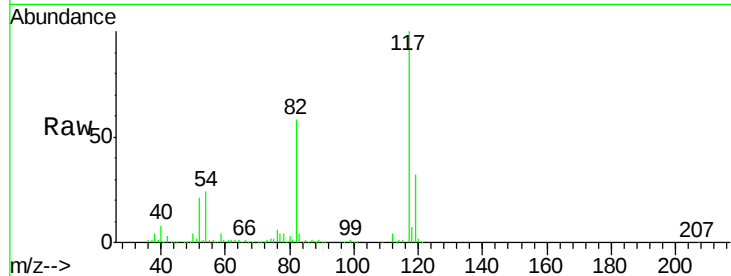
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	484395		
82	58.3		45.9	68.9
119	31.9		24.8	37.2

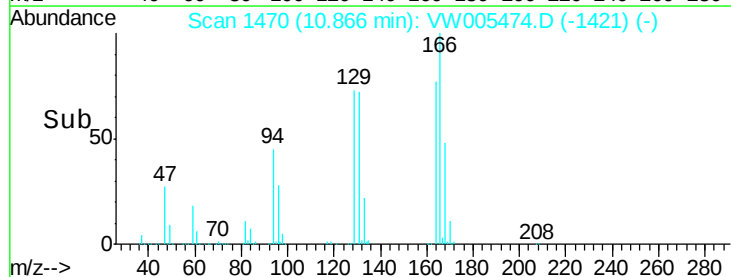
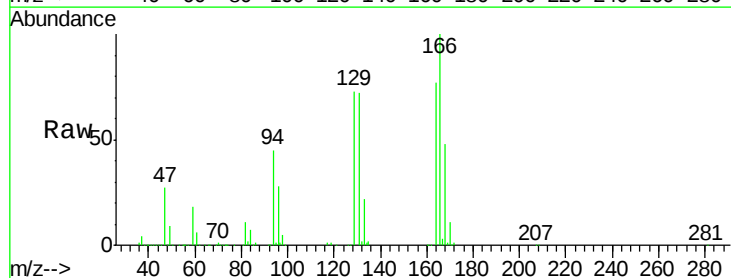
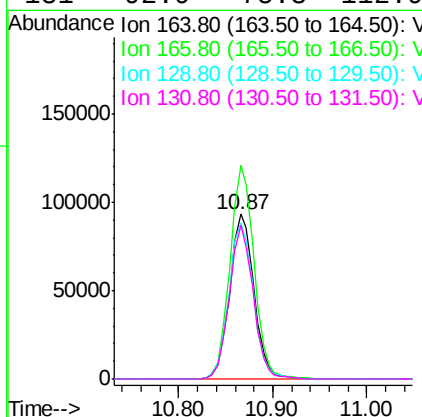
Manual Integrations
APPROVED

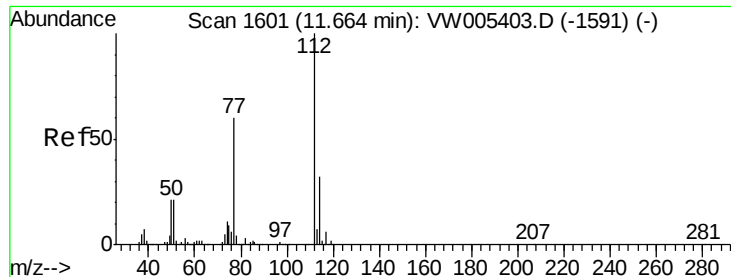
apatel
9/19/2018 11:25:32 AM



#64
Tetrachloroethene
Concen: 46.57 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166728		
166	129.5		104.0	156.0
129	95.0		74.9	112.3
131	92.9		75.3	112.9





#65

Chlorobenzene

Concen: 48.70 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 500628

Ion Ratio Lower Upper

112 100

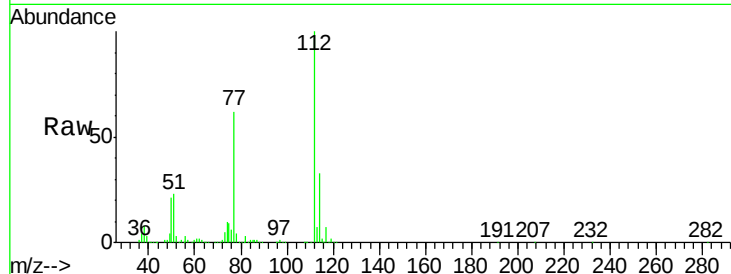
114 32.9 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

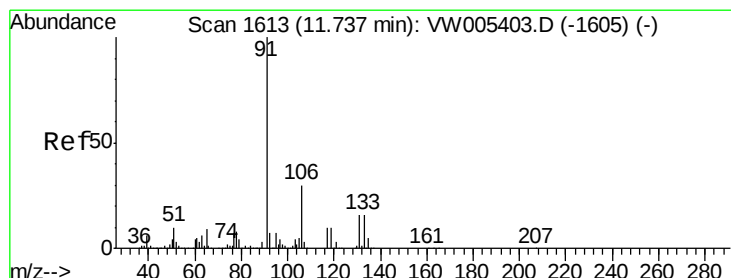
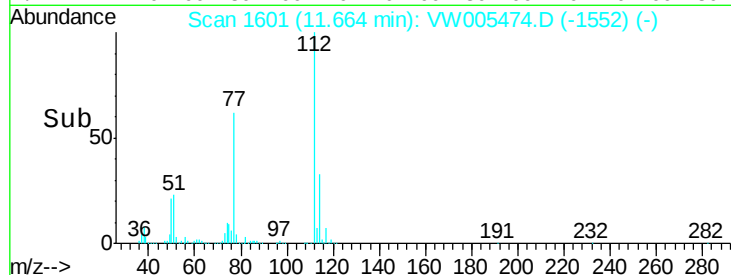
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.58 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

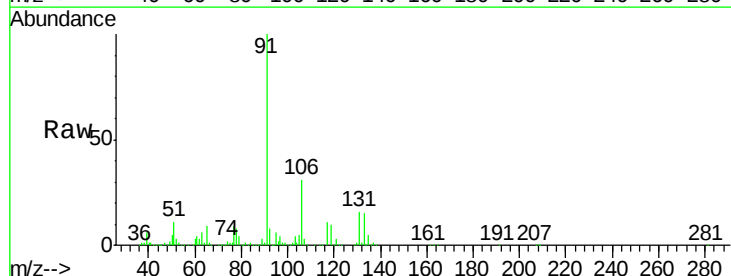
Tgt Ion:131 Resp: 153047

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

119 65.5 31.1 93.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

120000

100000

80000

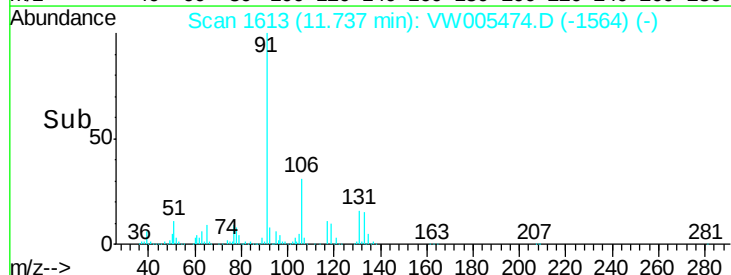
60000

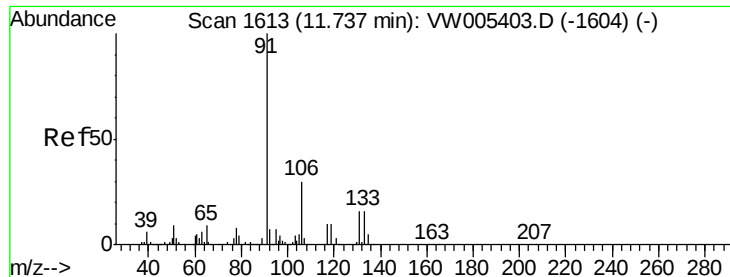
40000

20000

0

Time-->





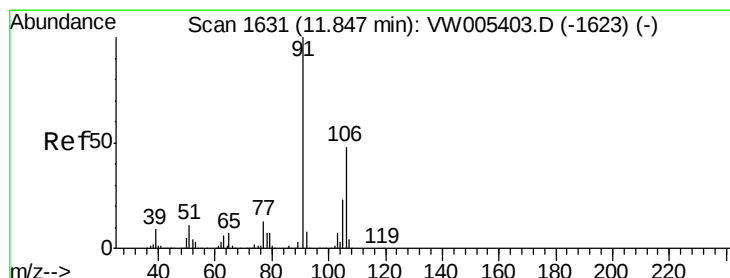
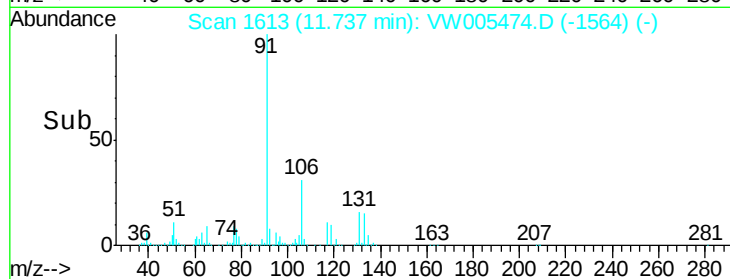
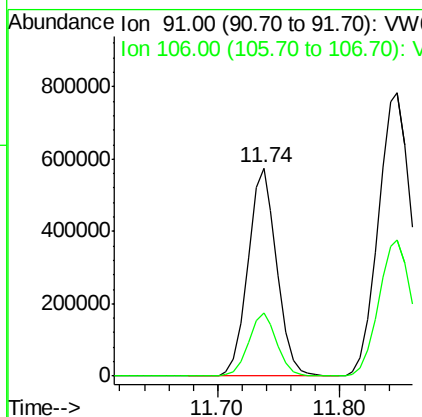
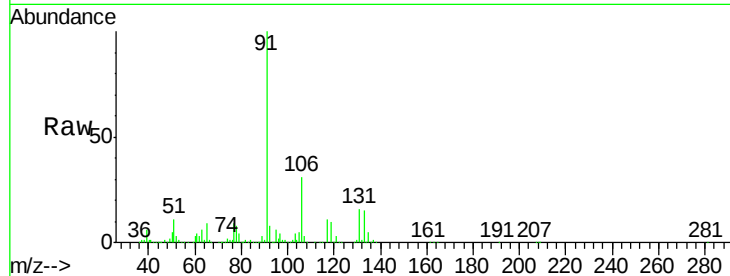
#67
Ethyl Benzene
Concen: 51.89 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 938052
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4

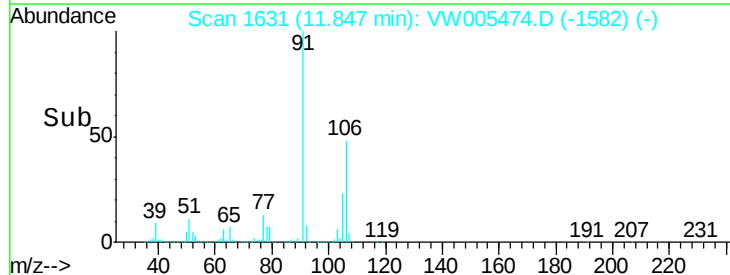
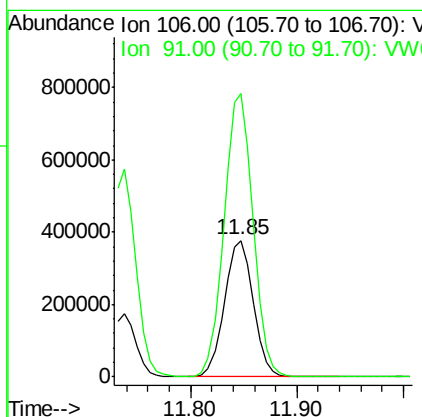
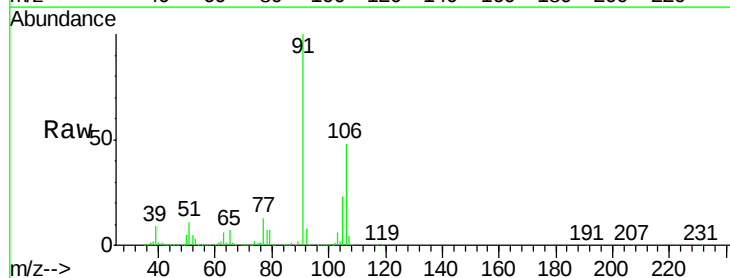
Manual Integrations
APPROVED

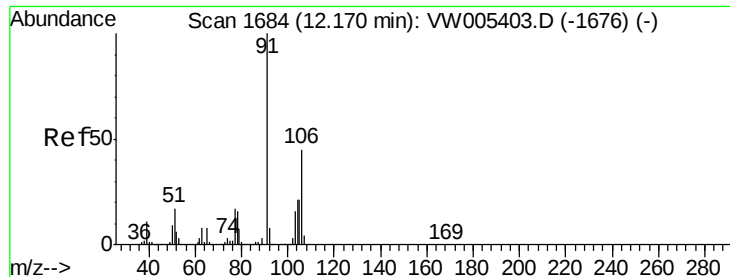
apatel
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#68
m/p-Xylenes
Concen: 102.57 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion: 106 Resp: 713664
Ion Ratio Lower Upper
106 100
91 208.5 167.9 251.9





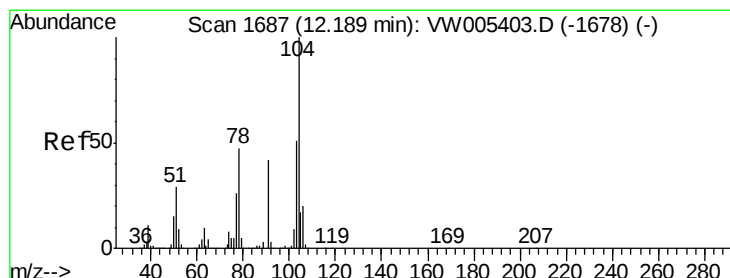
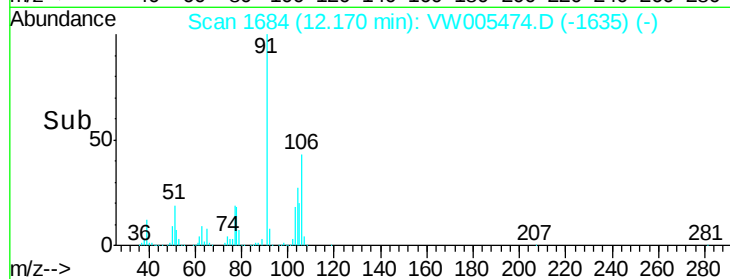
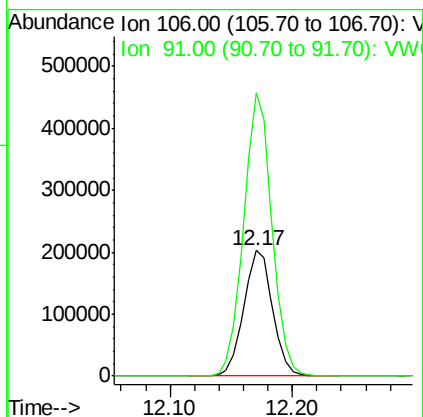
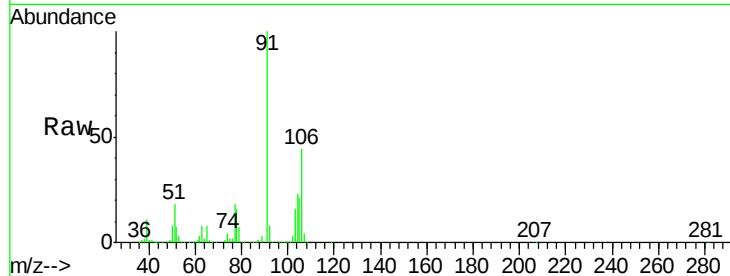
#69
o-Xylene
Concen: 51.25 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		332043		
91	220.4	110.6	331.6		

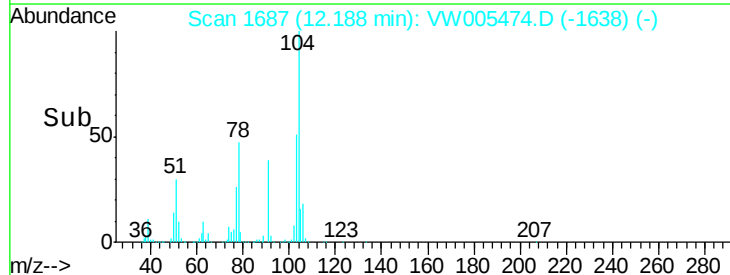
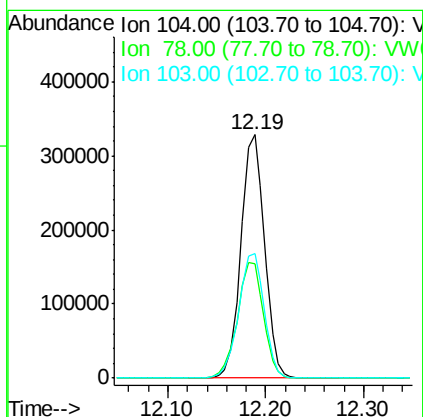
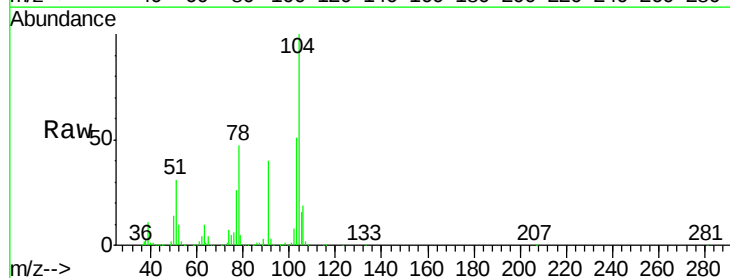
Manual Integrations
APPROVED

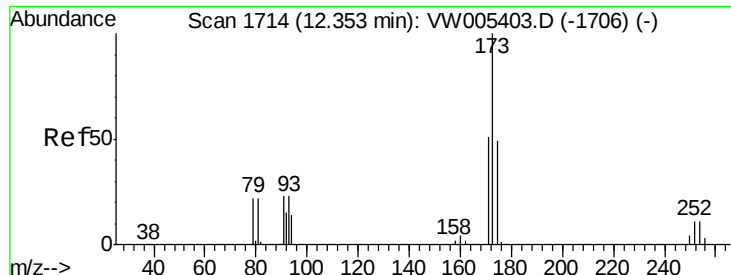
apatel
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#70
Styrene
Concen: 51.54 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		551127		
78	52.3	42.4	63.6		
103	55.6	44.8	67.2		





#71

Bromoform

Concen: 44.44 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 77253

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

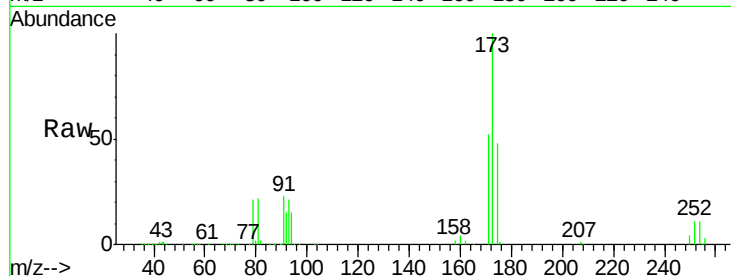
254 0.1 0.0 0.0#

Manual Integrations

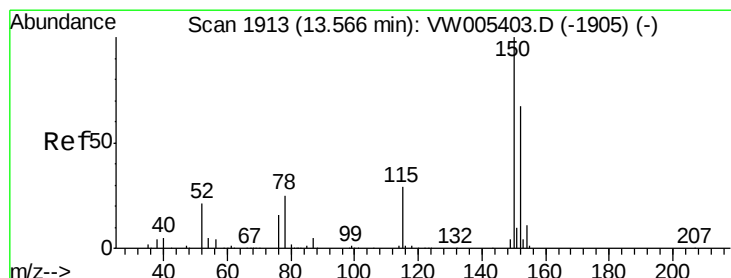
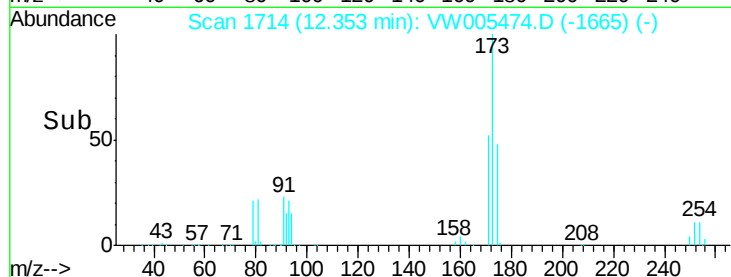
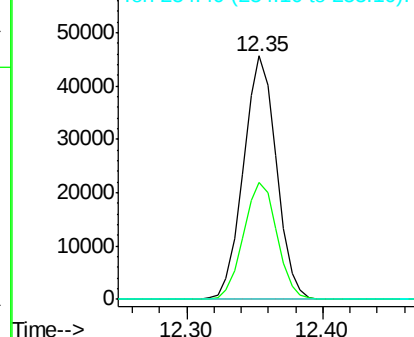
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

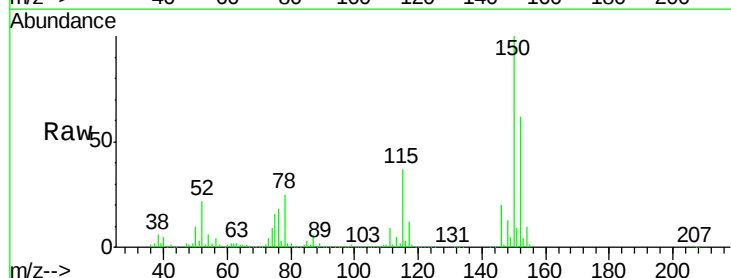
Tgt Ion:152 Resp: 246549

Ion Ratio Lower Upper

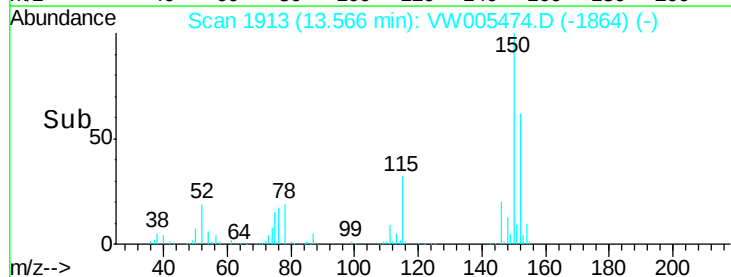
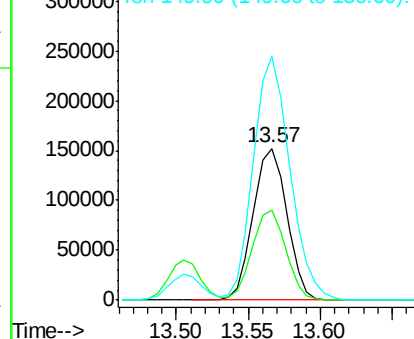
152 100

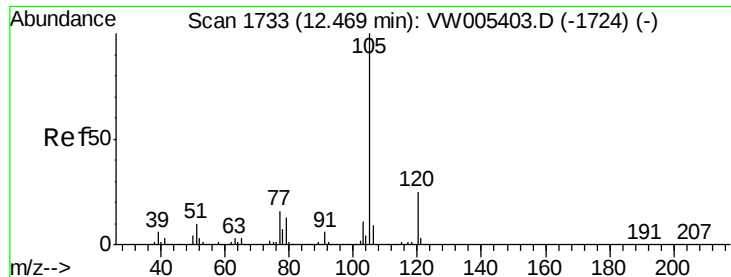
115 59.5 29.5 88.5

150 174.4 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.95 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 933273

Ion Ratio Lower Upper

105 100

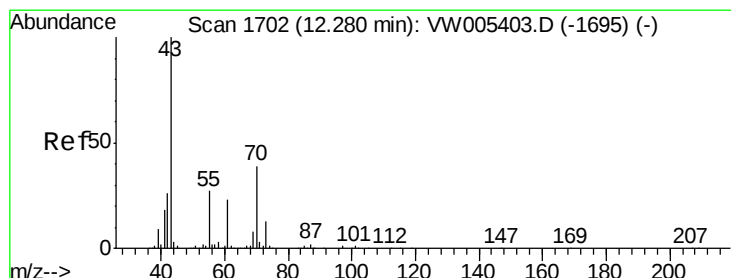
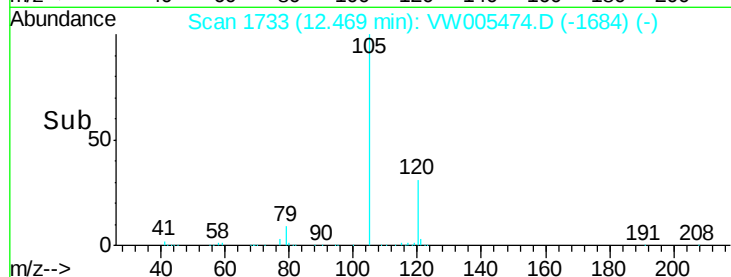
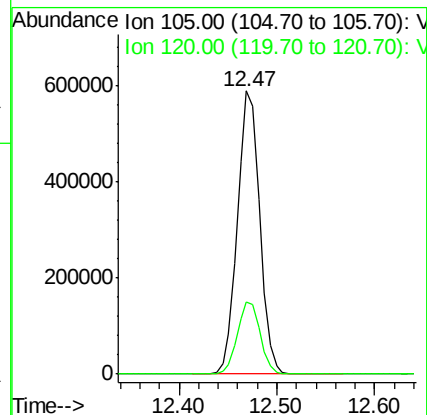
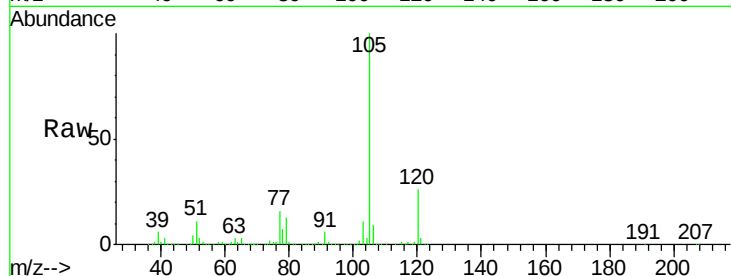
120 26.0 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 58.39 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion: 43 Resp: 212811

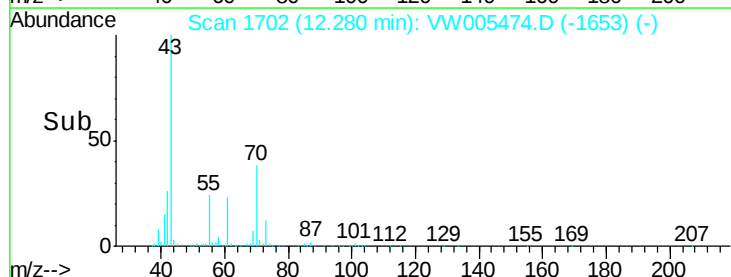
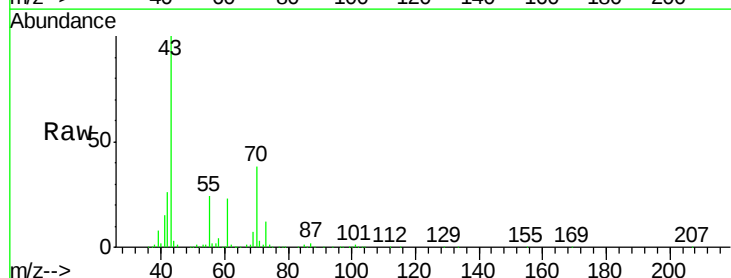
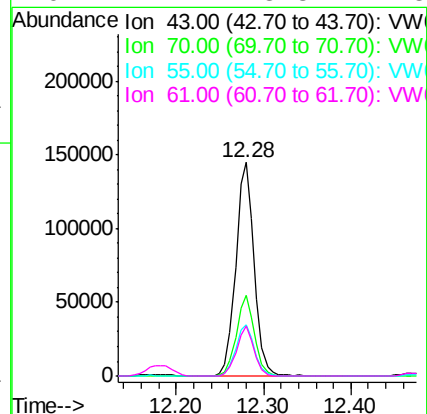
Ion Ratio Lower Upper

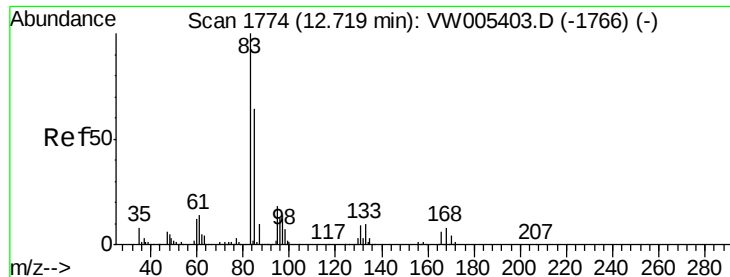
43 100

70 37.0 31.9 47.9

55 24.3 21.4 32.0

61 22.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.87 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

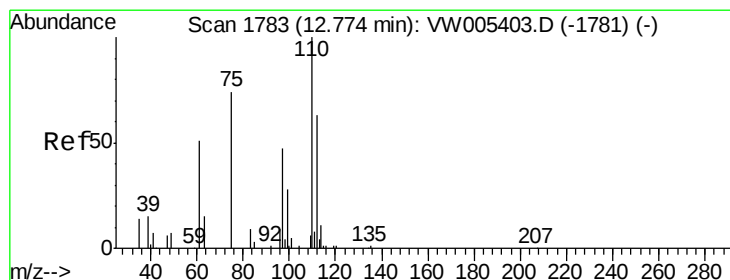
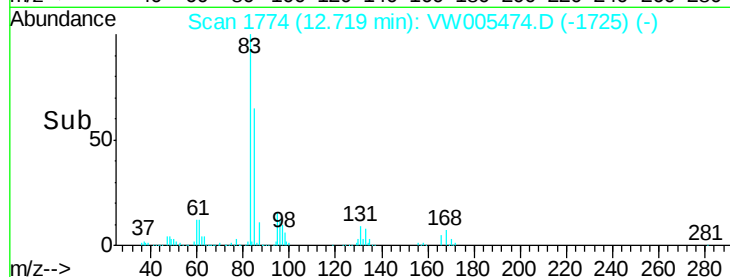
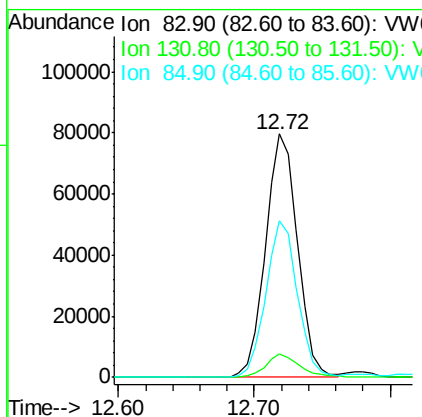
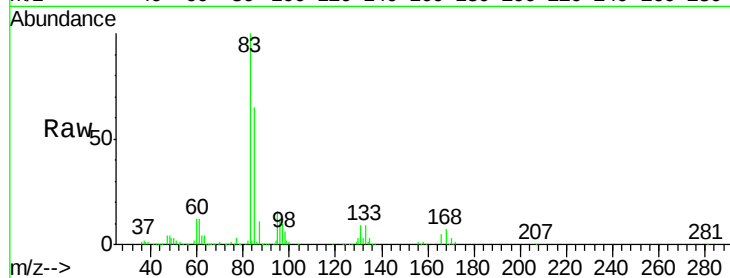
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	130891
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.7	17.1
85	63.6	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.86 ug/l m

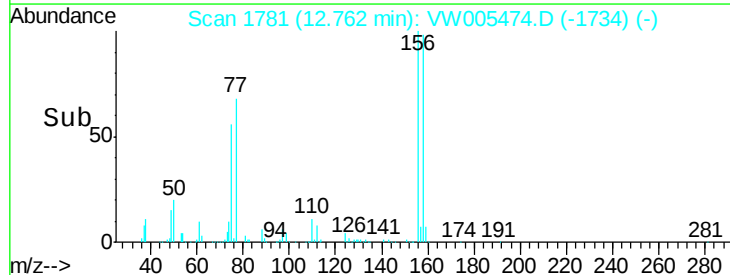
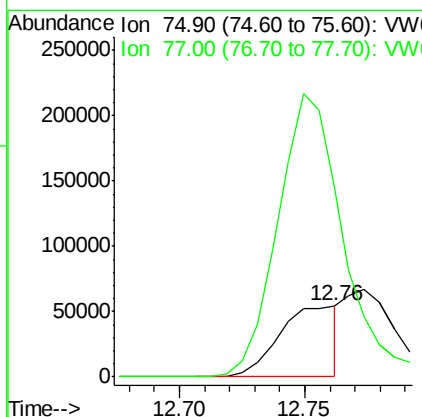
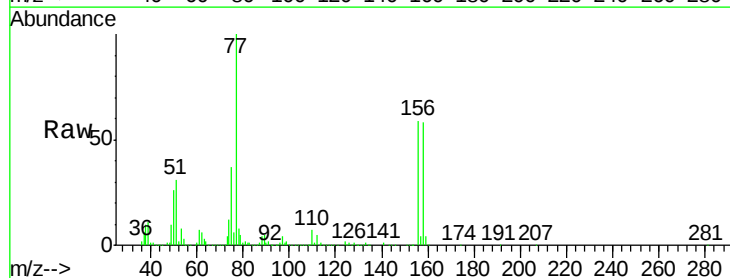
RT: 12.76 min Scan# 1781

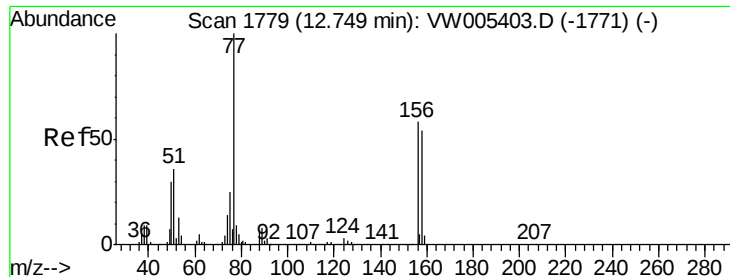
Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	75	Resp:	88943
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





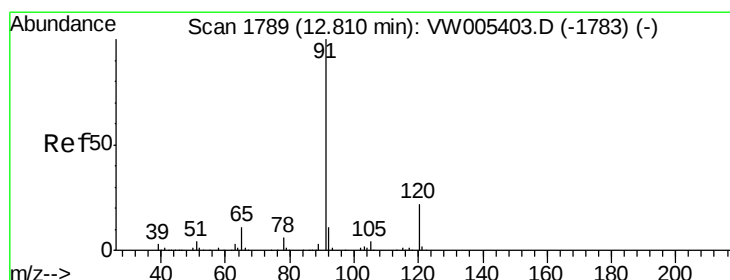
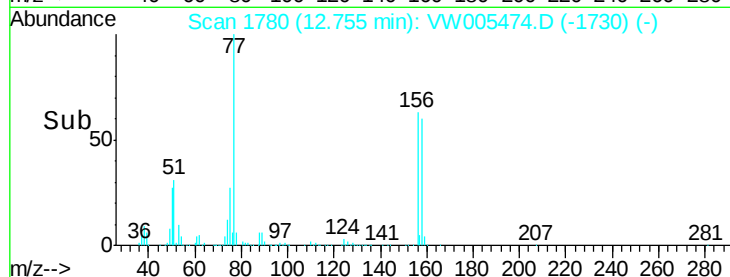
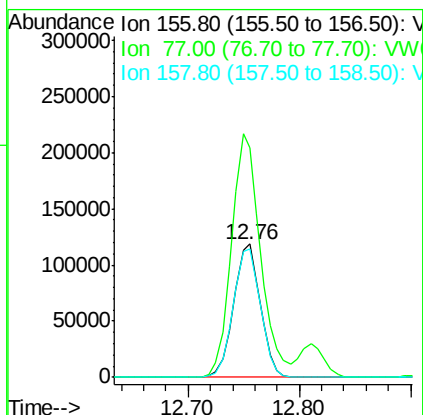
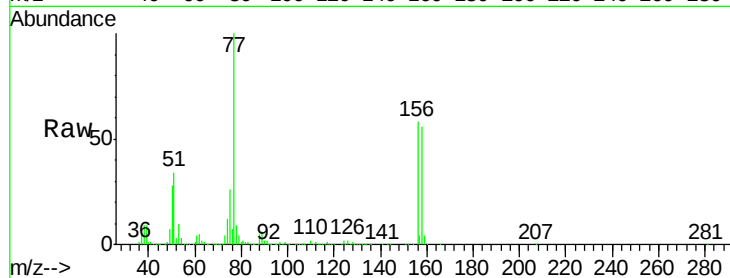
#77
Bromobenzene
Concen: 47.99 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.6	92.8	278.3
158	98.5	48.2	144.6

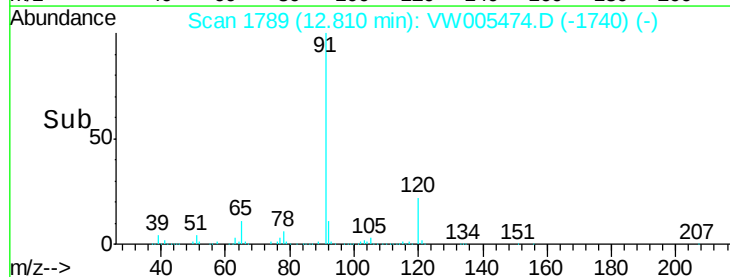
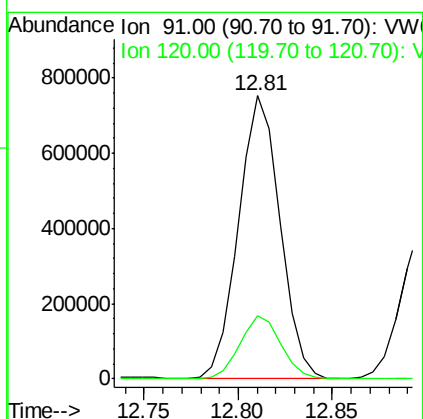
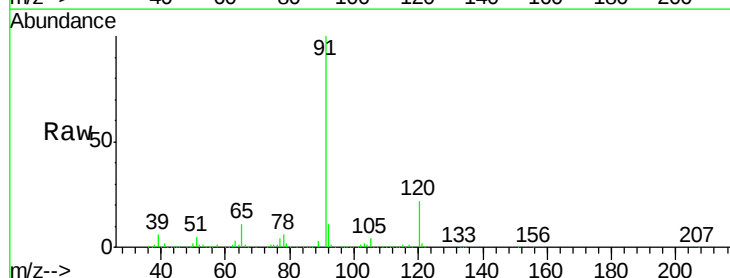
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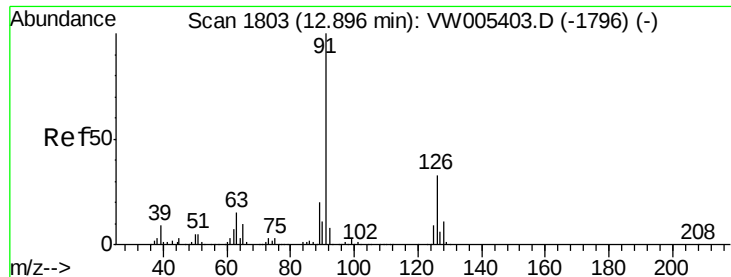
apatel
9/19/2018 11:25:32 AM



#78
n-propylbenzene
Concen: 54.94 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW005474.D
Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 52.60 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 647801

Ion Ratio Lower Upper

91 100

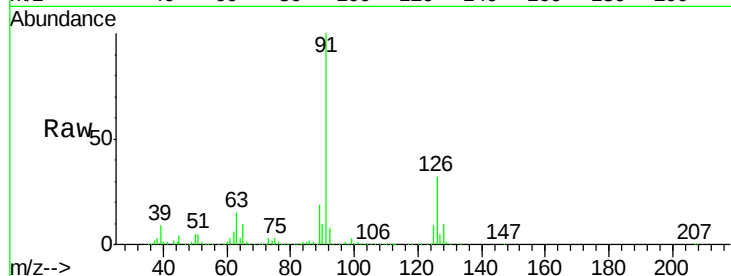
126 32.0 16.4 49.1

Manual Integrations

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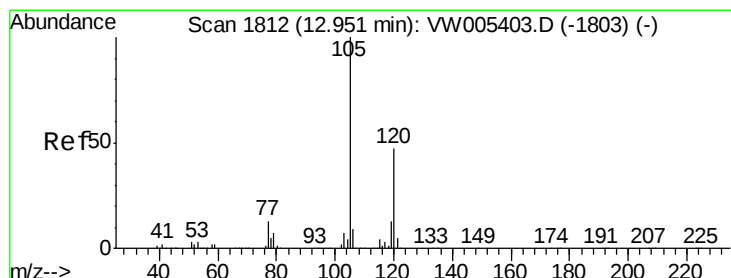
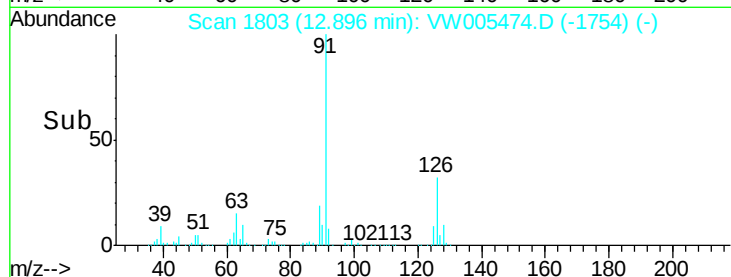
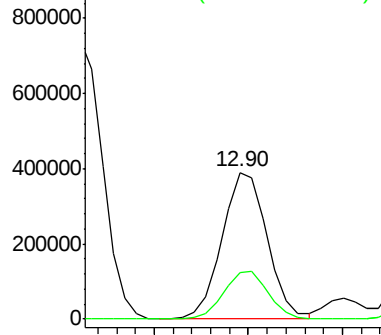
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.32 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005474.D

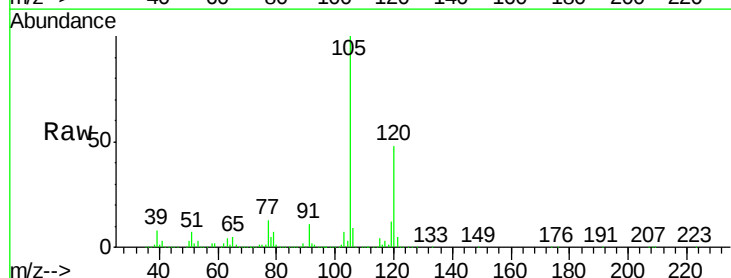
Acq: 18 Sep 2018 12:56

Tgt Ion: 105 Resp: 789681

Ion Ratio Lower Upper

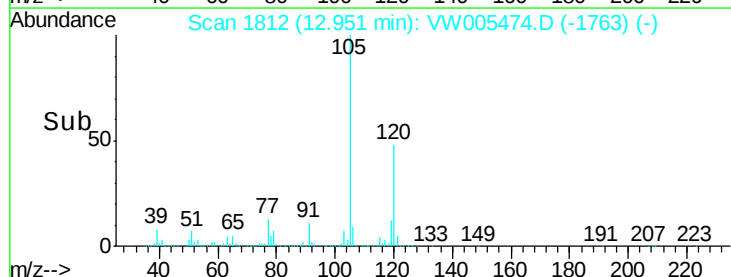
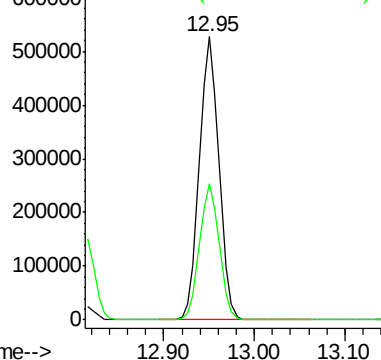
105 100

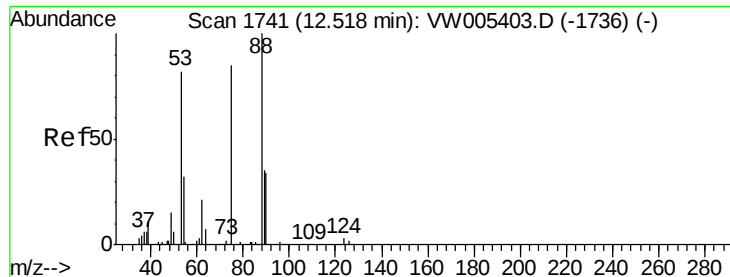
120 48.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.91 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

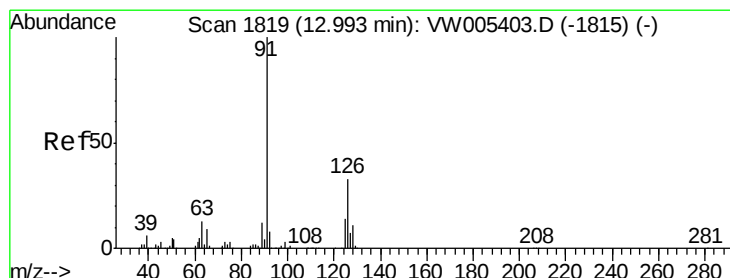
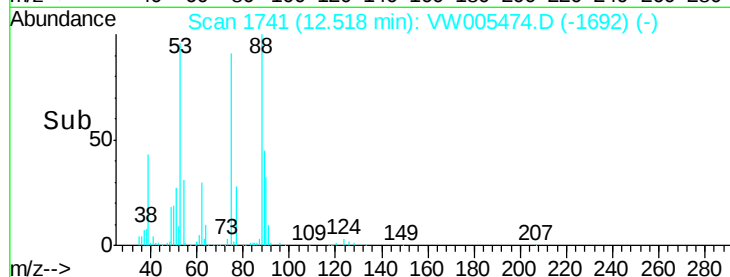
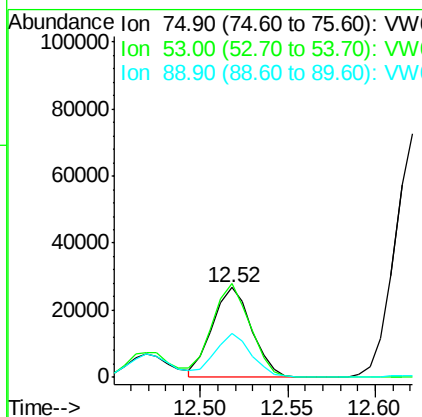
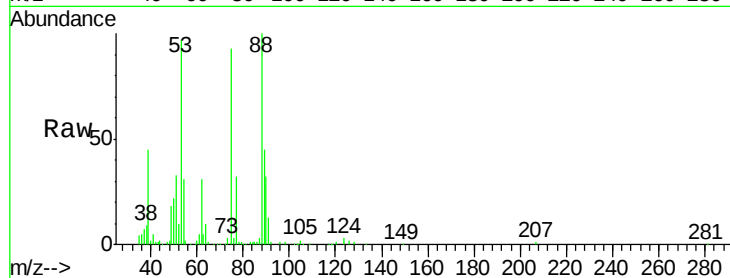
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	41363
Ion	Ratio	Lower	Upper
75	100		
53	101.3	83.2	124.8
89	46.5	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.66 ug/l

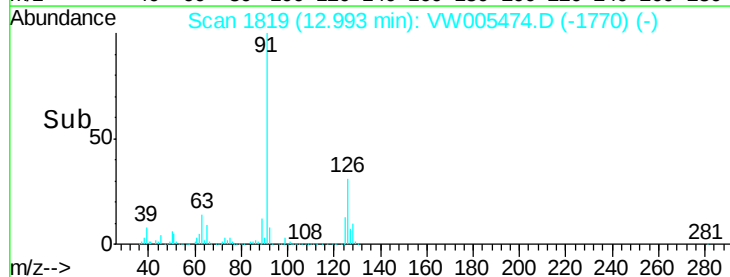
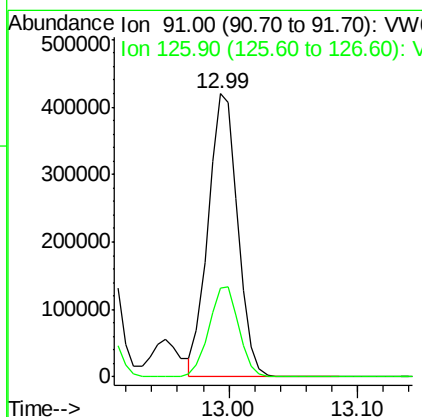
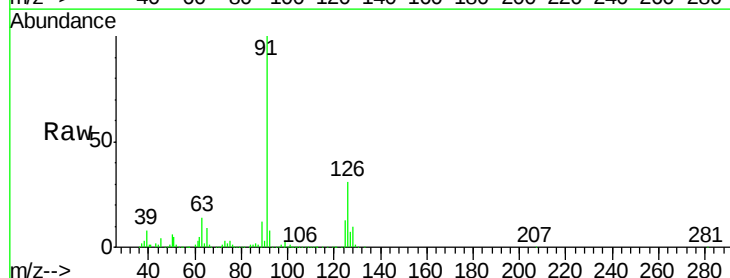
RT: 12.99 min Scan# 1819

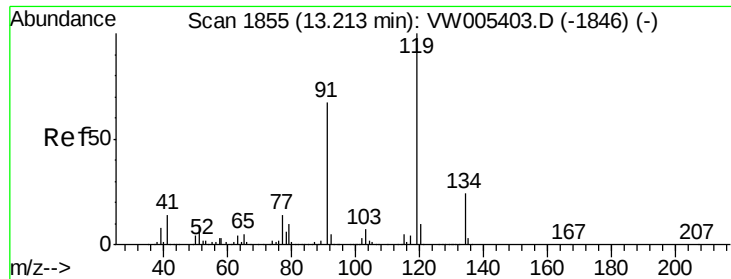
Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	91	Resp:	671737
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





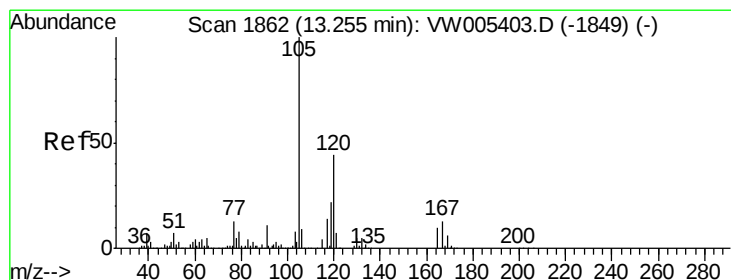
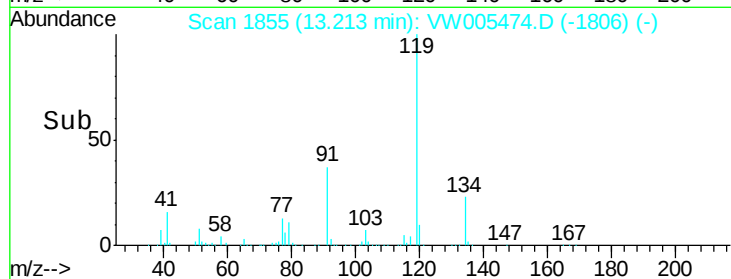
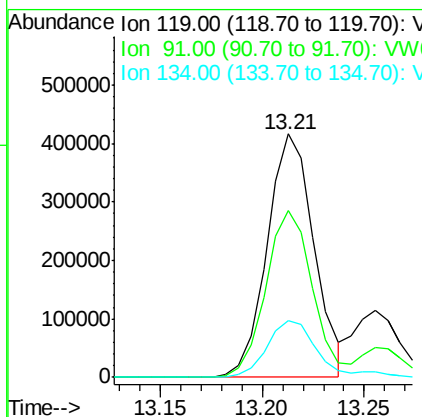
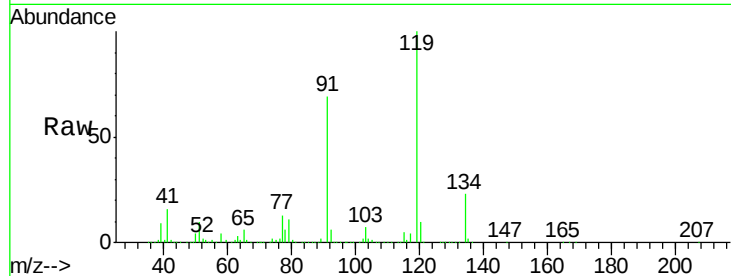
#83
 tert-Butylbenzene
 Concen: 53.08 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.4	103.2
134	25.3	12.7	38.0

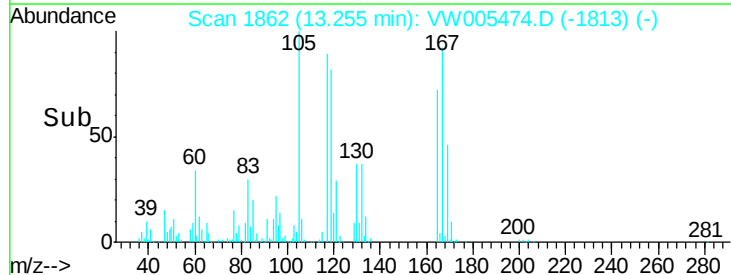
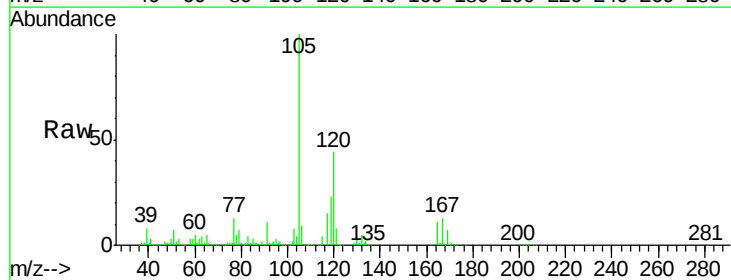
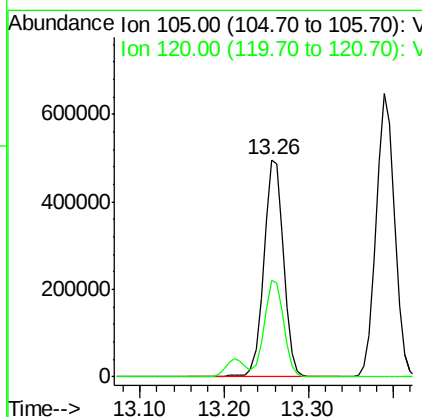
Manual Integrations
 APPROVED

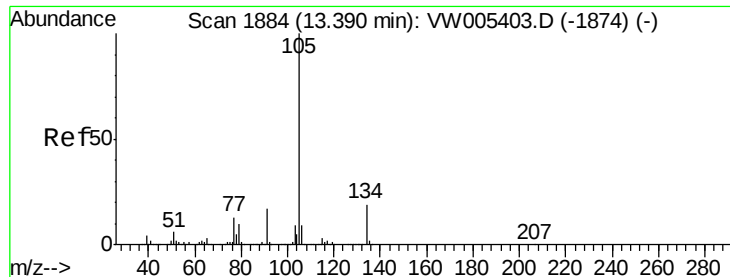
apatel
 9/19/2018 11:25:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.99 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.8	65.3





#85

sec-Butylbenzene

Concen: 54.52 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 987596

Ion Ratio Lower Upper

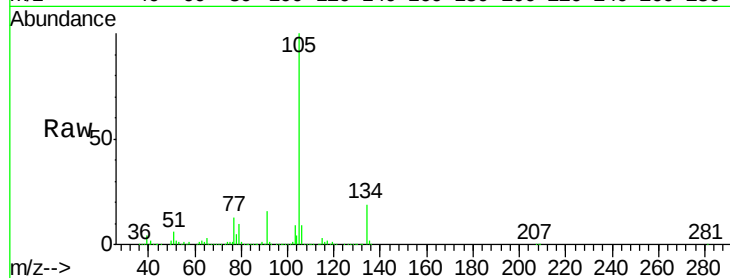
105 100

134 19.4 9.8 29.5

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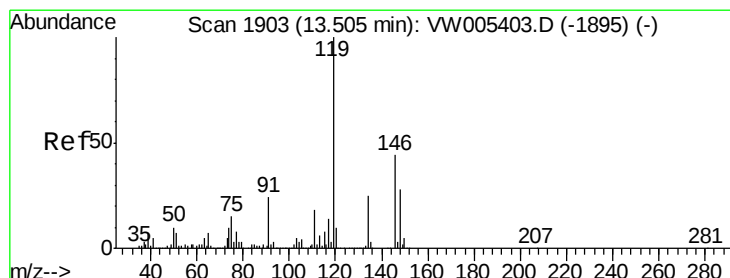
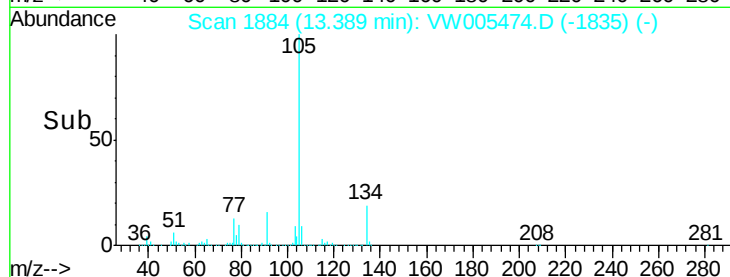
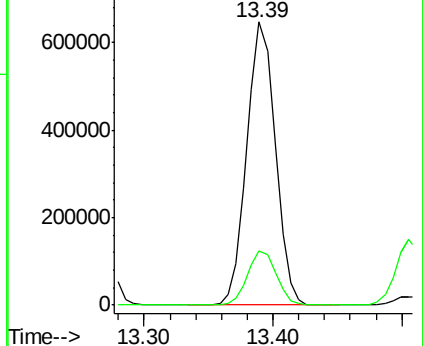
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.59 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

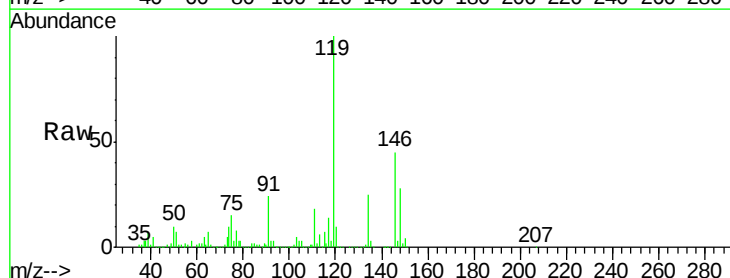
Tgt Ion:119 Resp: 868146

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

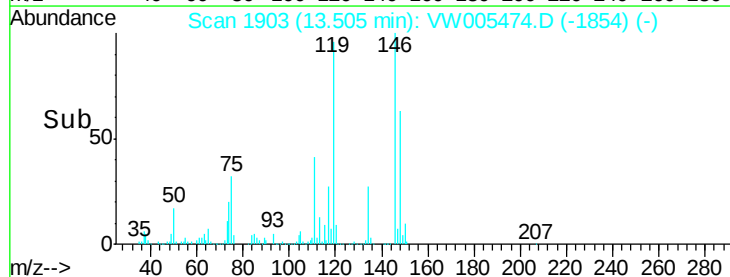
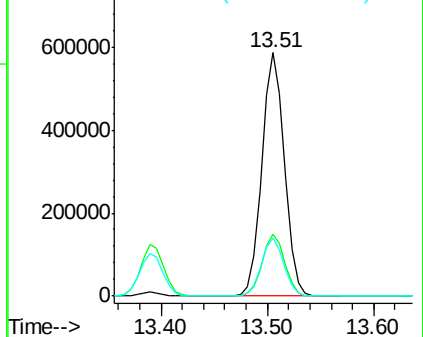
91 23.8 12.0 36.0

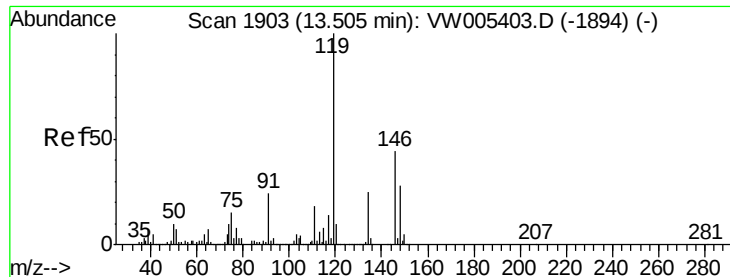


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.58 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

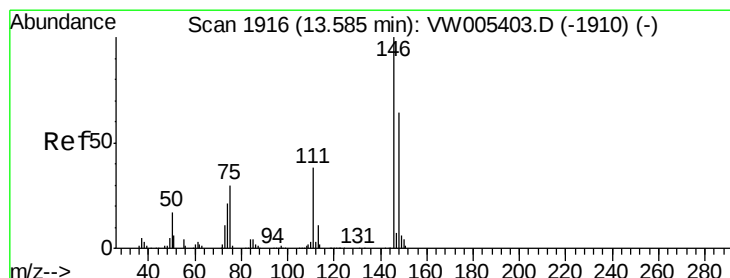
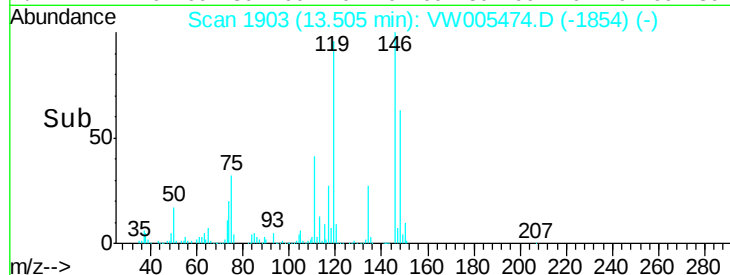
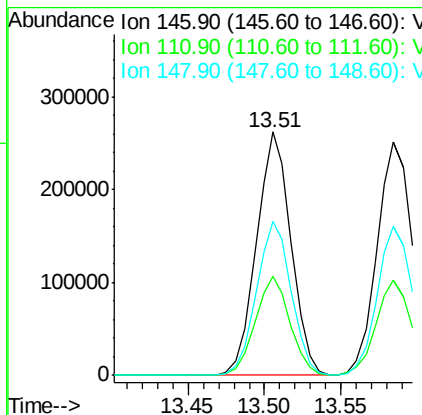
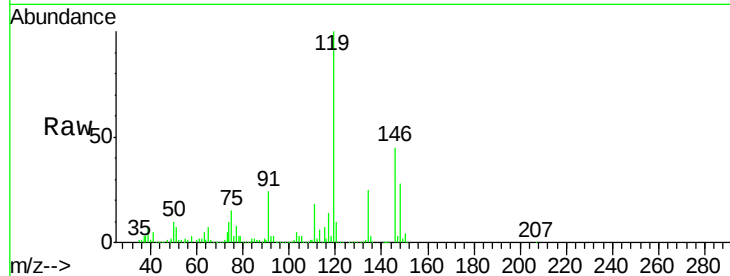
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	411197
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.4	61.2
148	63.9	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.33 ug/l

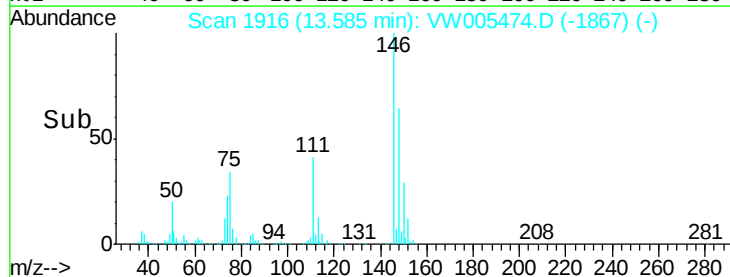
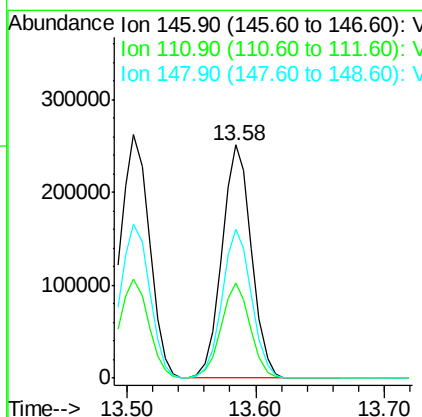
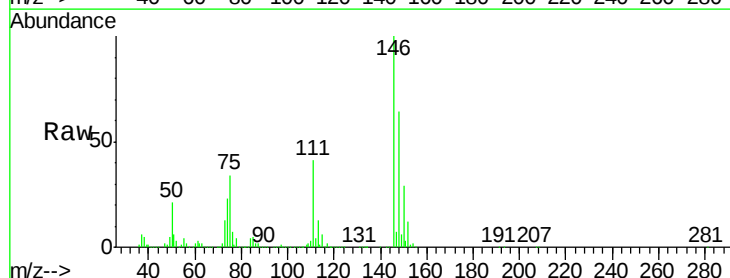
RT: 13.58 min Scan# 1916

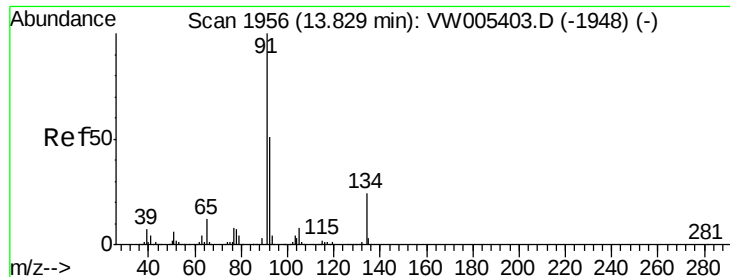
Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	146	Resp:	402927
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.6	58.8
148	63.7	31.8	95.4





#89

n-Butylbenzene

Concen: 56.56 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

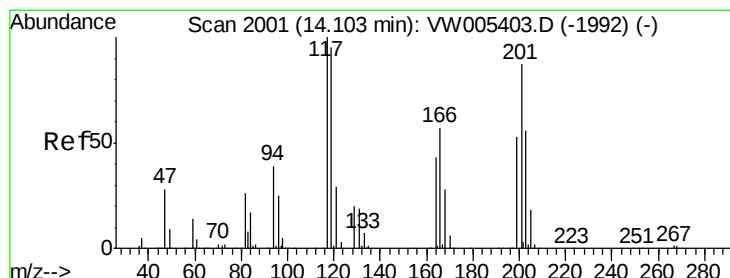
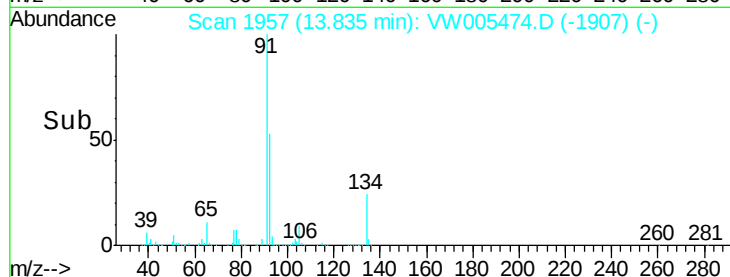
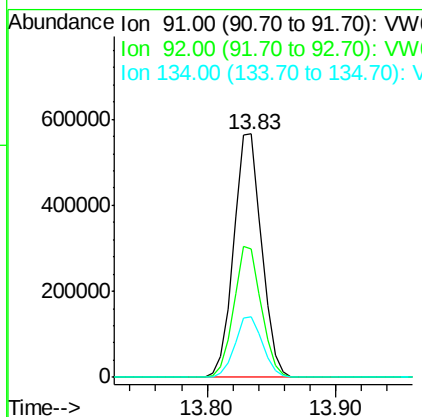
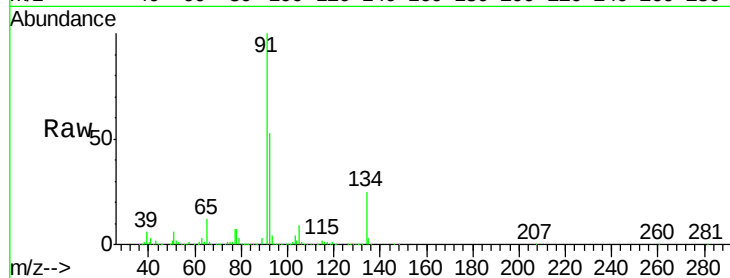
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	853145
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.2	78.6
134	24.6	12.7	38.1

Manual Integrations
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#90

Hexachloroethane

Concen: 51.08 ug/l

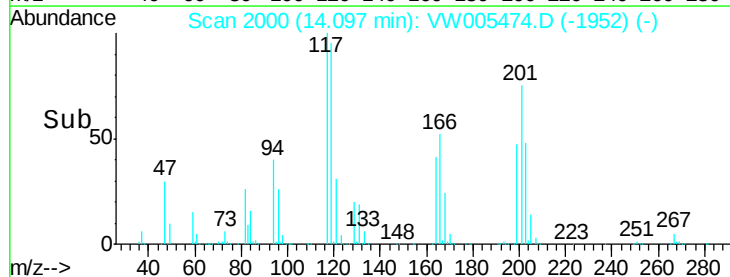
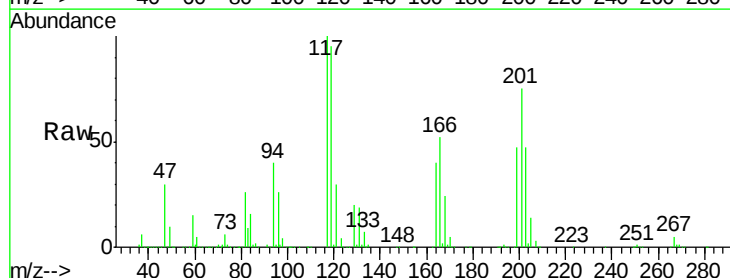
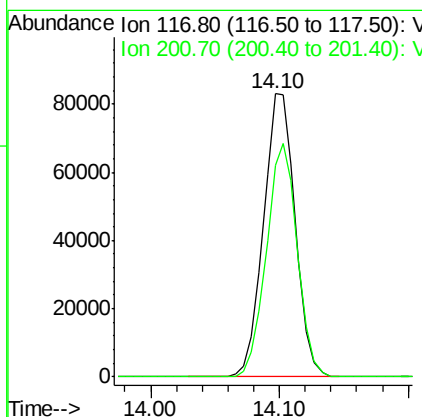
RT: 14.10 min Scan# 2000

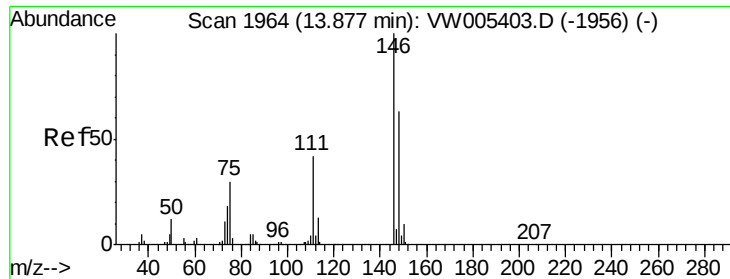
Delta R.T. -0.01 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	117	Resp:	141784
Ion Ratio	Lower	Upper	
117	100		
201	80.4	42.5	127.5





#91

1,2-Dichlorobenzene

Concen: 49.30 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

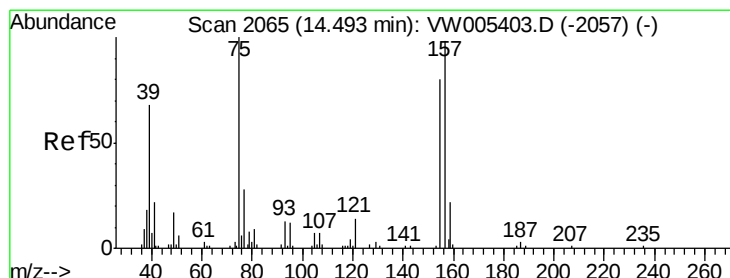
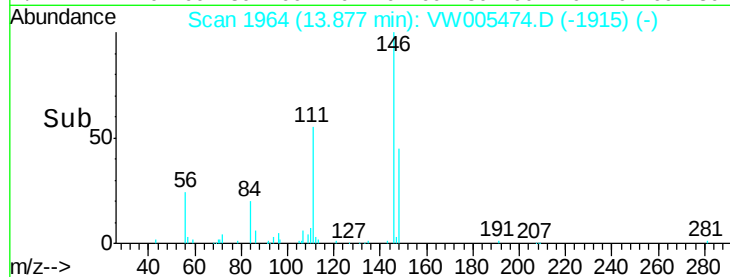
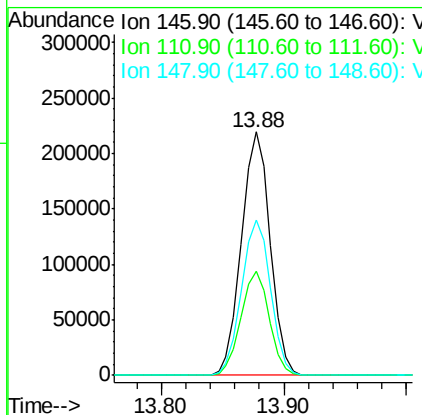
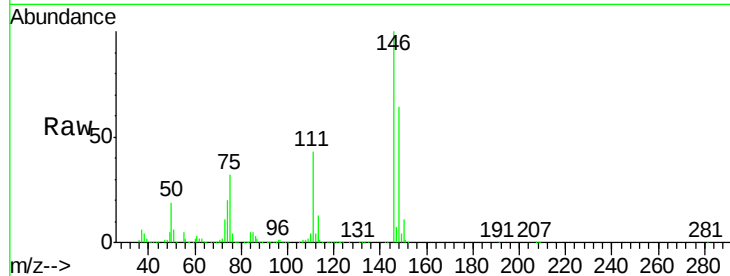
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	357311
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.0	63.0
148	64.4	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.95 ug/l

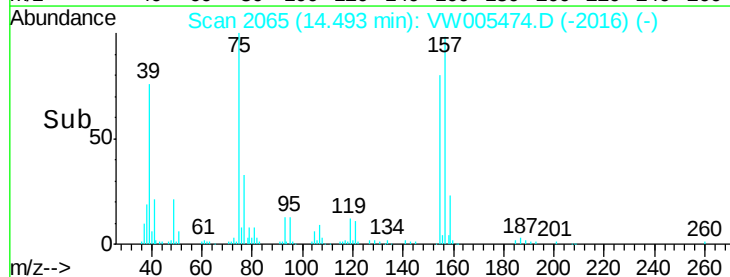
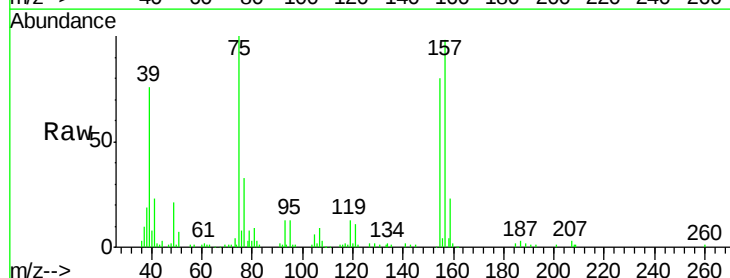
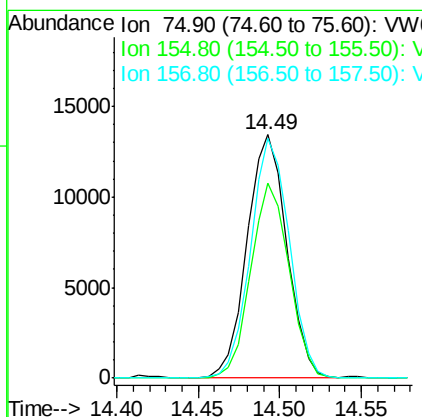
RT: 14.49 min Scan# 2065

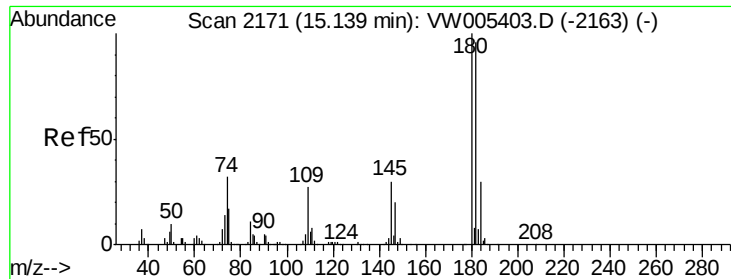
Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	75	Resp:	22755
Ion Ratio	Lower	Upper	
75	100		
155	76.8	39.0	117.0
157	96.2	49.9	149.6





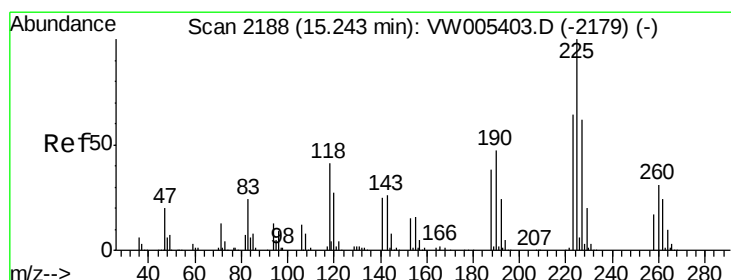
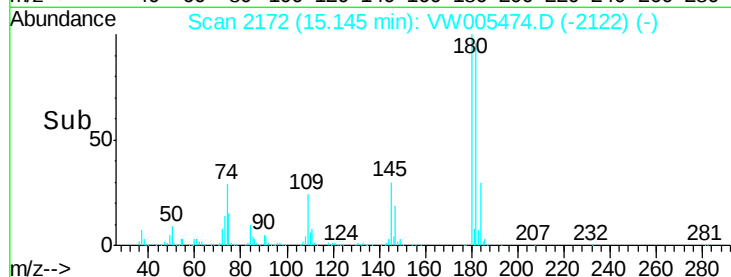
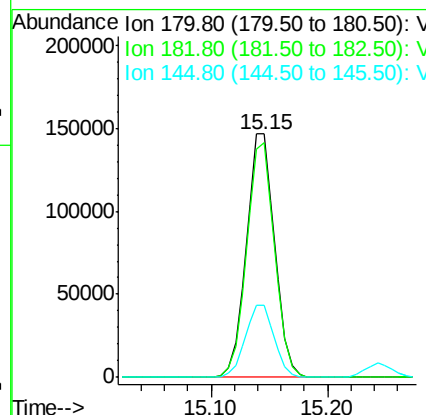
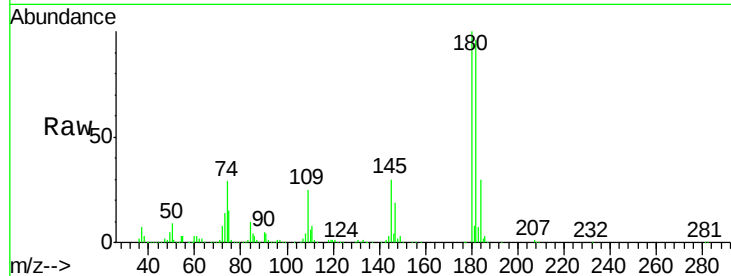
#93
 1,2,4-Trichlorobenzene
 Concen: 51.24 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	247786		
182	95.3	47.3	141.9	
145	30.4	14.8	44.3	

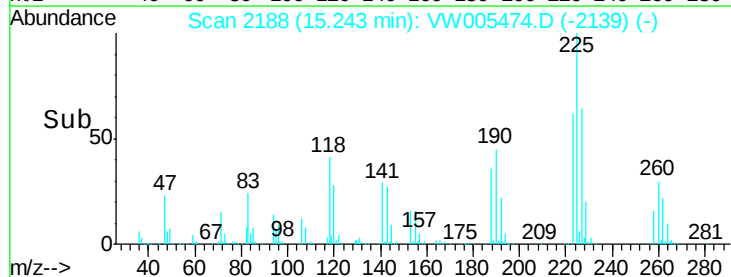
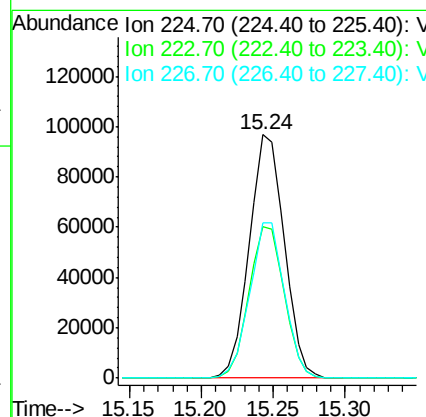
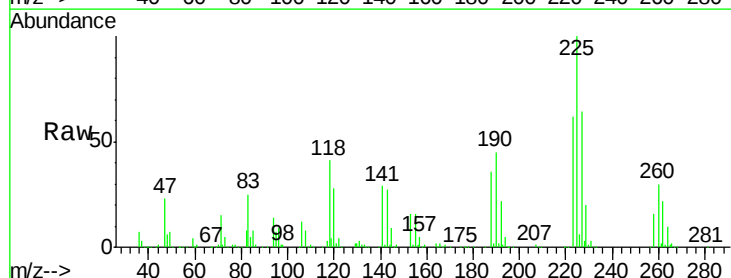
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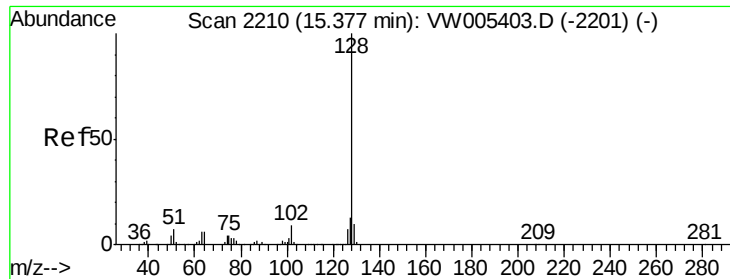
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#94
 Hexachlorobutadiene
 Concen: 51.38 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005474.D
 Acq: 18 Sep 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162261		
223	62.8	31.2	93.6	
227	63.3	31.6	95.0	





#95

Naphthalene

Concen: 51.17 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Instrument :

MSVOA_W

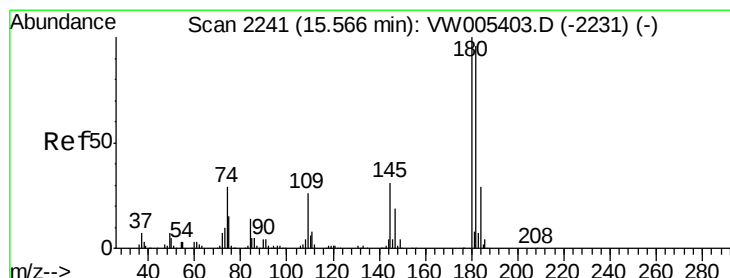
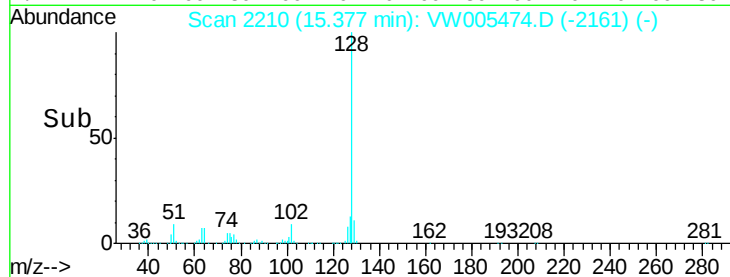
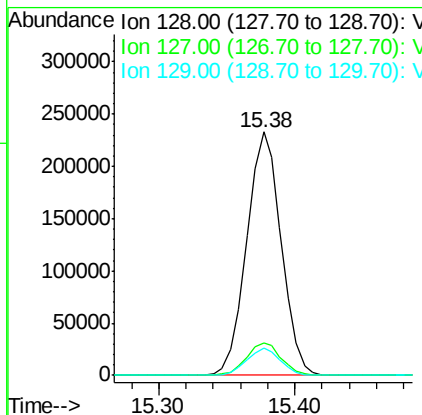
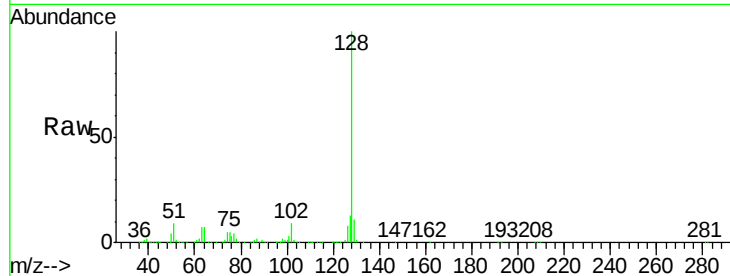
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	412362
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.4
129	10.9	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 50.00 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005474.D

Acq: 18 Sep 2018 12:56

Tgt Ion:	180	Resp:	211017
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.1	144.4
145	31.9	15.9	47.7

